


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> 16-27D-36 BTR				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> CEDAR RIM				
<b>4. TYPE OF WELL</b> Oil Well                      Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164				
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 20G0005608			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Utah Division on Wildlife Resources						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-538-4700				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 1594 West North Temple, Suite 2110, ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application)    NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
<b>LOCATION AT SURFACE</b>	541 FSL 465 FEL		SESE	27	3.0 S	6.0 W	U			
<b>Top of Uppermost Producing Zone</b>	811 FSL 814 FEL		SESE	27	3.0 S	6.0 W	U			
<b>At Total Depth</b>	810 FSL 810 FEL		SESE	27	3.0 S	6.0 W	U			
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 810			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1630			<b>26. PROPOSED DEPTH</b> MD: 9479    TVD: 9445				
<b>27. ELEVATION - GROUND LEVEL</b> 6022			<b>28. BOND NUMBER</b> LPM8874725			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Duchesne City Culinary Water Dock				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
COND	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
SURF	12.25	9.625	0 - 3000	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	450	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	8.75	5.5	0 - 9479	17.0	P-110 LT&C	9.7	Unknown	620	2.31	11.0
							Unknown	880	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Venessa Langmacher			<b>TITLE</b> Senior Permit Analyst			<b>PHONE</b> 303 312-8172				
<b>SIGNATURE</b>			<b>DATE</b> 08/10/2011			<b>EMAIL</b> vlangmacher@billbarrettcorp.com				
<b>API NUMBER ASSIGNED</b> 43013509180000			<b>APPROVAL</b>  Permit Manager							

**RECEIVED: September 19, 2011**

**DRILLING PLAN**

BILL BARRETT CORPORATION

**16-27D-36 BTR Well Pad**

SE SE, 541' FSL and 465' FEL, Section 27, T3S-R6W, USB&amp;M (surface hole)

SE SE, 810' FSL and 810' FEL, Section 27, T3S-R6W, USB&amp;M (bottom hole)

Duchesne County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Lower Green River*	5,068'	5,045'
Douglas Creek	5,913'	5,880'
Black Shale	6,724'	6,690'
Castle Peak	6,879'	6,845'
Uteland Butte	7,204'	7,170'
Wasatch*	7,539'	7,505'
TD	9,479'	9,445'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 5,550'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 3,000'	No pressure control required
3,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>						
26"	Surface	80'	16"	65#			
12 1/4"	Surface	3,000'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
<b>NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.</b>							

Bill Barrett Corporation  
Drilling Program  
#16-27D-36 BTR  
Duchesne County, Utah

## 5. Cementing Program

<b>Casing</b>	<b>Cementing</b>
16" Conductor Casing	<i>Grout</i>
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 450 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft<sup>3</sup>/sx) circulated to surface with 75% excess. Top of lead estimated at surface.</p> <p><i>Tail</i> with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft<sup>3</sup>/sx), calculated hole volume with 75% excess. Top of tail estimated at 2,500'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 620 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx.) . Top of lead estimated at 2,500'.</p> <p><i>Tail</i> with approximately 880 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Top of tail estimated at 6,224'.</p>

## 6. Mud Program

<b><u>Interval</u></b>	<b><u>Weight</u></b>	<b><u>Viscosity</u></b>	<b><u>Fluid Loss (API filtrate)</u></b>	<b><u>Remarks</u></b>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 3,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3,000' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

## 7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

Bill Barrett Corporation  
Drilling Program  
#16-27D-36 BTR  
Duchesne County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4764 psi\* and maximum anticipated surface pressure equals approximately 2686 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**11. Drilling Schedule**

Location Construction: November 2011  
Spud: November 2011  
Duration: 15 days drilling time  
45 days completion time



**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 5,000 psi

**C. Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

**D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

**E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

T3S, R6W, U.S.B.&M.

BILL BARRETT CORPORATION

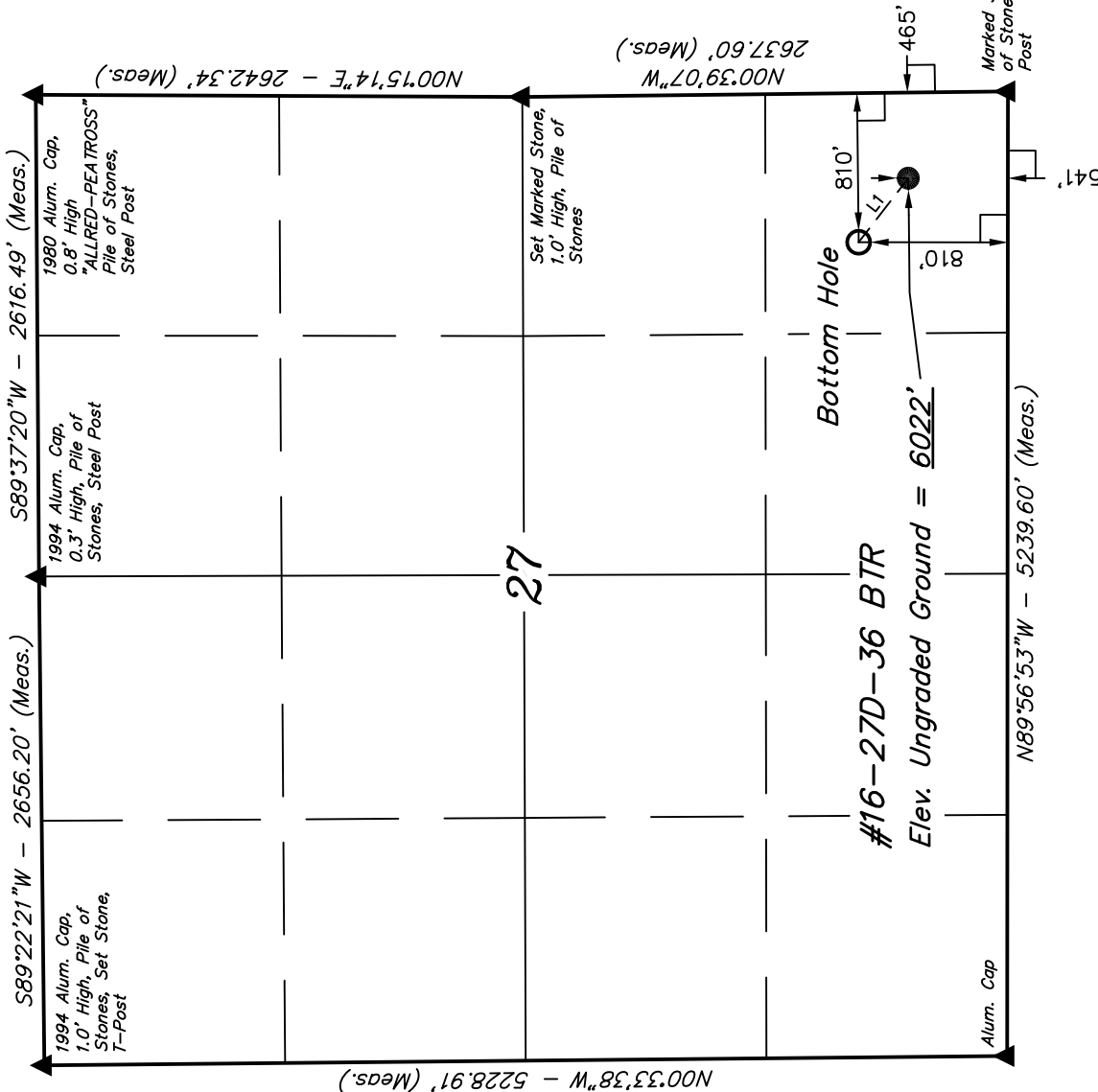
Well location, #16-27D-36 BTR, located as shown in the SE 1/4 SE 1/4 of Section 27, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBIT GULCH QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5904 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N52°15'44"W	440.26'

NAD 83 (TARGET BOTTOM HOLE)			
LATITUDE = 40°11'09.20"	(40.185889)	LATITUDE = 40°11'06.54"	(40.185150)
LONGITUDE = 110°32'34.23"	(110.542842)	LONGITUDE = 110°32'29.75"	(110.541597)
NAD 27 (TARGET BOTTOM HOLE)			
LATITUDE = 40°11'09.36"	(40.185933)	LATITUDE = 40°11'06.69"	(40.185192)
LONGITUDE = 110°32'31.67"	(110.542131)	LONGITUDE = 110°32'27.18"	(110.540883)

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF UTAH  
REGISTERED LAND SURVEYOR  
KAY  
REGISTRATION NO. 161319  
05-04-11

REVISED: 05-03-11

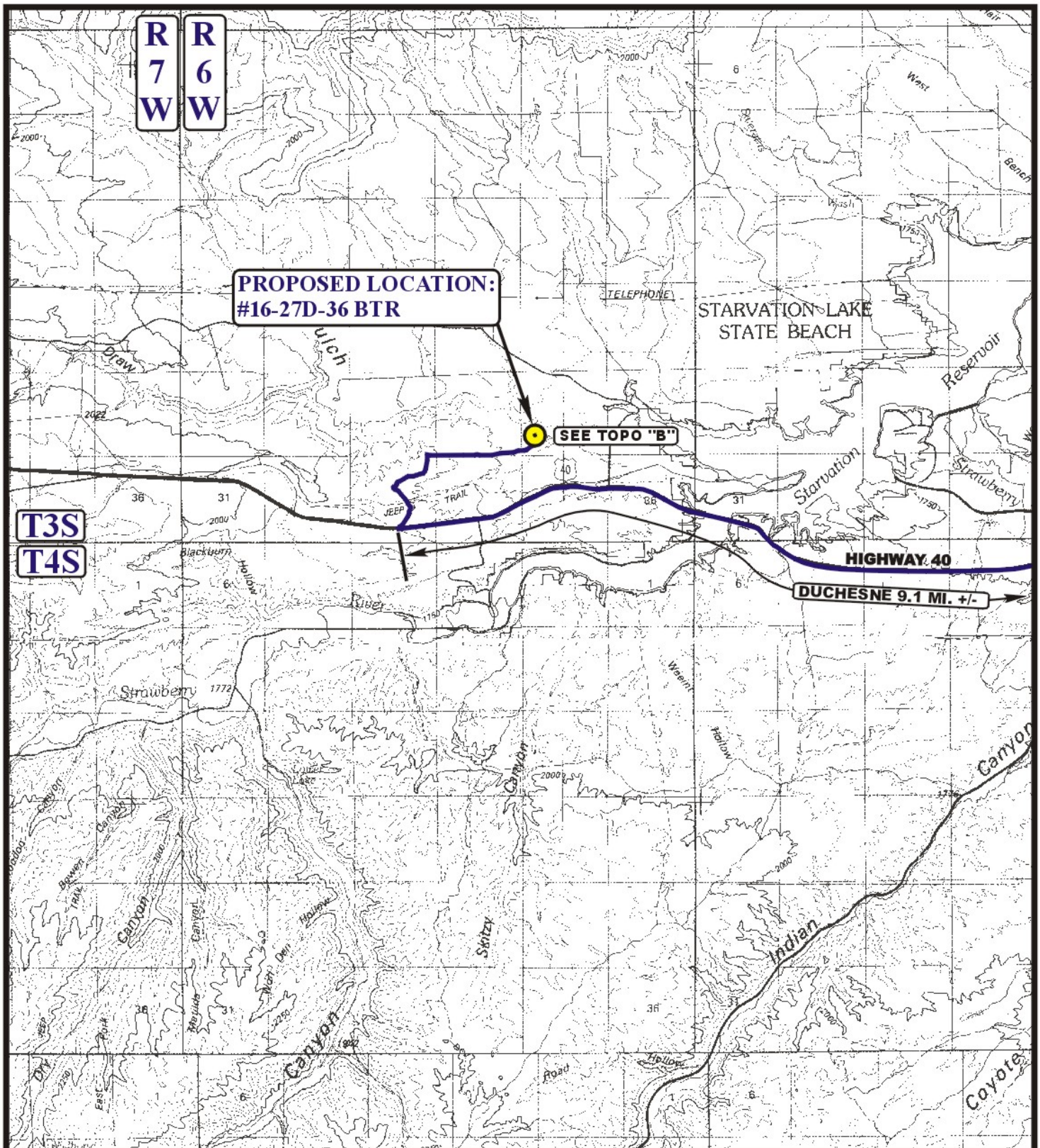
UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-11-10	DATE DRAWN: 08-17-10
PARTY T.A. C.N. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE	BILL BARRETT CORPORATION





**LEGEND:**

**● PROPOSED LOCATION**

**BILL BARRETT CORPORATION**

**#16-27D-36 BTR**

**SECTION 27, T3S, R6W, U.S.B.&M.**

**541' FSL 465' FEL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



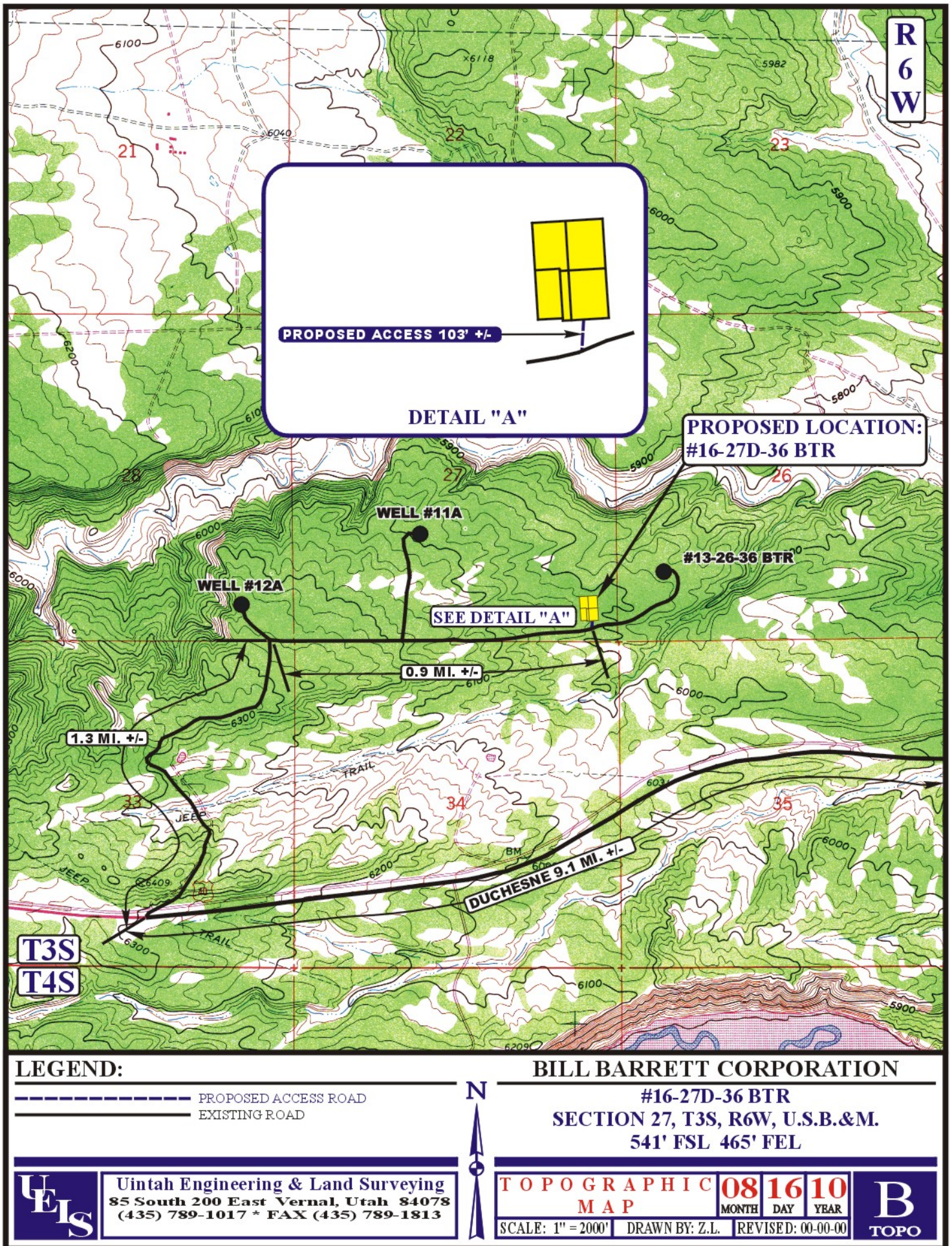
**TOPOGRAPHIC  
MAP**

**08 16 10**  
MONTH DAY YEAR

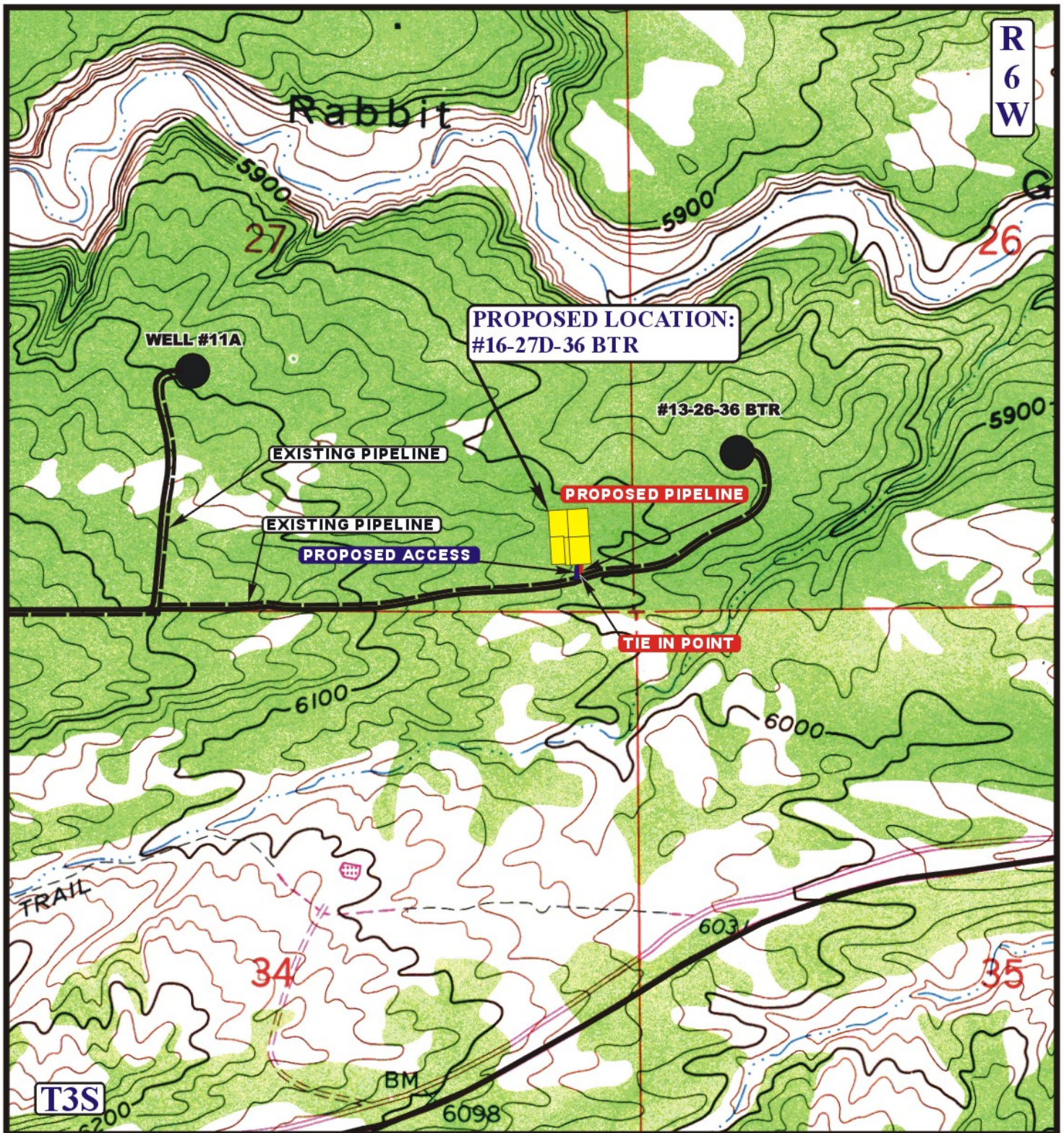
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**APPROXIMATE TOTAL PIPELINE DISTANCE = 71' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD
- - - - - PROPOSED PIPELINE
- - - - - EXISTING PIPELINE



**BILL BARRETT CORPORATION**

**#16-27D-36 BTR**  
**SECTION 27, T3S, R6W, U.S.B.&M.**  
**541' FSL 465' FEL**



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**85 South 200 East Vernal, Utah 84078**  
**(435) 789-1017 \* FAX (435) 789-1813**

**TOPOGRAPHIC**  
**MAP**

**08 16 10**  
**MONTH DAY YEAR**

**SCALE: 1" = 2000'** **DRAWN BY: Z.L.** **REVISED: 00-00-00**







## COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature  
 Error System: ISCWSA  
 Scan Method: Closest Approach 3D  
 Error Surface: Elliptical Conic  
 Warning Method: Error Ratio

## SITE DETAILS: 16-27D-36 BTR

SECTION 27-T3S-R6W  
541 FSL & 465 FEL

Site Centre Latitude: 40° 11' 6.691 N  
 Longitude: 110° 32' 27.179 W

Positional Uncertainty: 0.0  
 Convergence: 0.61  
 Local North: True

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
16-27D BTR 3PT MKR	6290.0	269.9	-348.7	40° 11' 9.359 N	110° 32' 31.672 W	Rectangle (Sides: L200.0 W200.0)
16-27D BTR PBHL	9445.0	269.9	-348.7	40° 11' 9.359 N	110° 32' 31.672 W	Rectangle (Sides: L200.0 W200.0)

## SECTION DETAILS

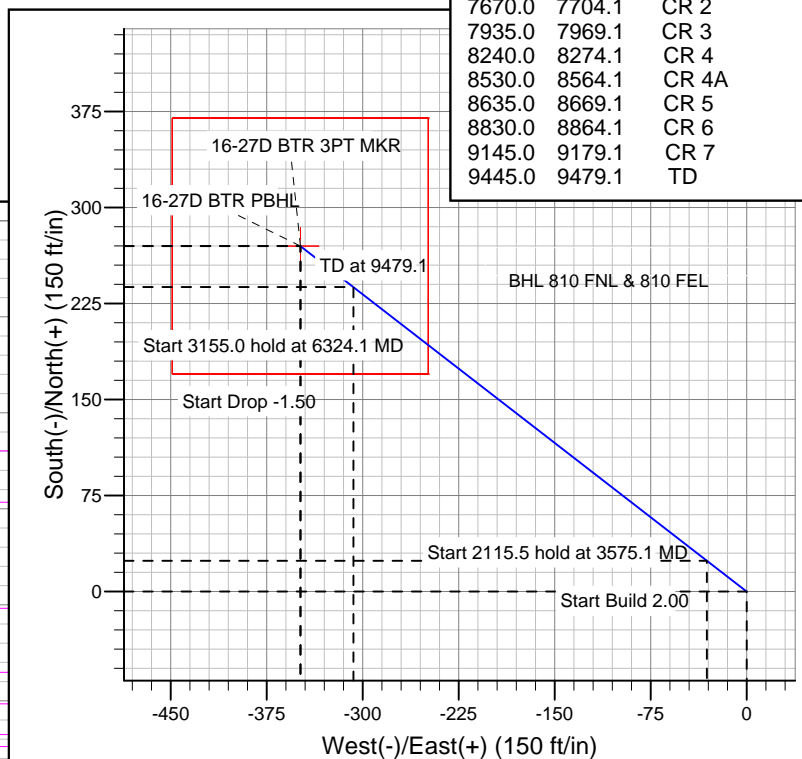
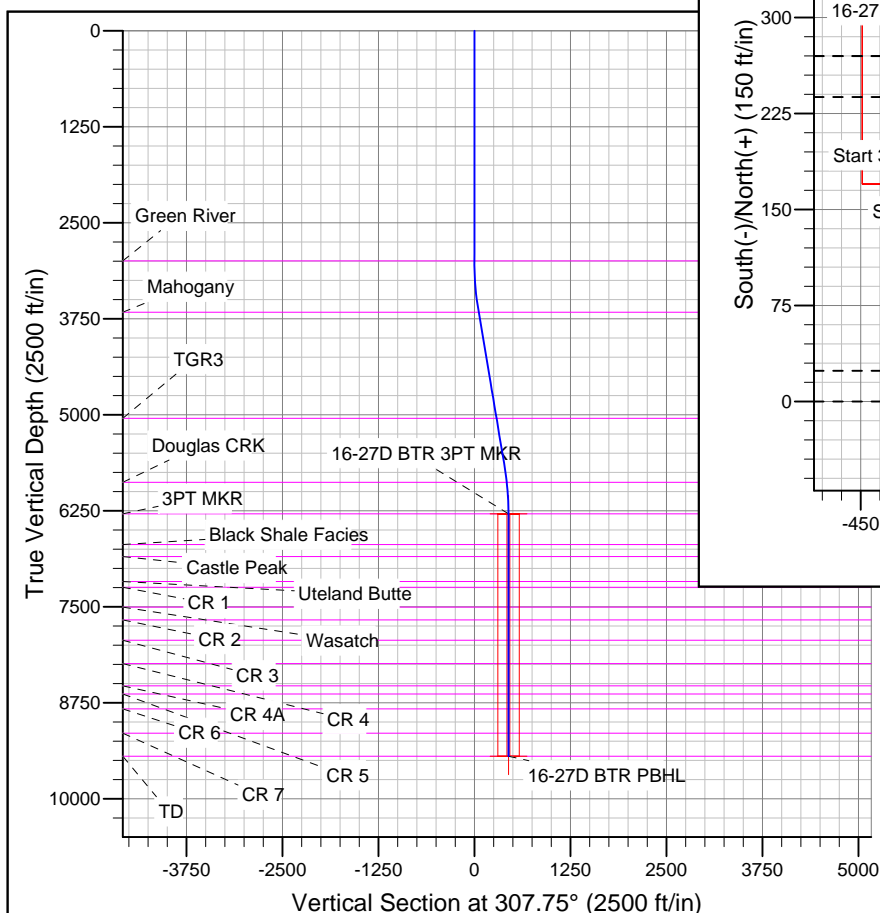
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3100.0	0.00	0.00	3100.0	0.0	0.0	0.00	0.00	0.0	
3	3575.1	9.50	307.75	3572.9	24.1	-31.1	2.00	307.75	39.3	
4	5690.6	9.50	307.75	5659.4	237.8	-307.2	0.00	0.00	388.5	
5	6324.1	0.00	0.00	6290.0	269.9	-348.7	1.50	180.00	440.9	16-27D BTR 3PT MKR
6	9479.1	0.00	0.00	9445.0	269.9	-348.7	0.00	0.00	440.9	16-27D BTR PBHL

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2995.0	2995.0	Green River
3665.0	3668.5	Mahogany
5045.0	5067.7	TGR3
5880.0	5913.3	Douglas CRK
6290.0	6324.1	3PT MKR
6690.0	6724.1	Black Shale Facies
6845.0	6879.1	Castle Peak
7170.0	7204.1	Uteland Butte
7245.0	7279.1	CR 1
7505.0	7539.1	Wasatch
7670.0	7704.1	CR 2
7935.0	7969.1	CR 3
8240.0	8274.1	CR 4
8530.0	8564.1	CR 4A
8635.0	8669.1	CR 5
8830.0	8864.1	CR 6
9145.0	9179.1	CR 7
9445.0	9479.1	TD

## CASING DETAILS

No casing data is available



Azimuths to True North  
 Magnetic North: 11.70°

Magnetic Field  
 Strength: 52448.5snT  
 Dip Angle: 65.86°  
 Date: 12/31/2009  
 Model: IGRF200510



## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 16-27D-36 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Site:</b>	16-27D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	16-27D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan #1		
<b>Design:</b>	Design #1 4Aug2011		

<b>Project</b>	DUCHESNE COUNTY, UT (NAD 27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site	16-27D-36 BTR, SECTION 27-T3S-R6W				
Site Position:		Northing:	675,938.62 ft	Latitude:	40° 11' 6.691 N
From:	Lat/Long	Easting:	2,267,961.61 ft	Longitude:	110° 32' 27.179 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.61 °

Well	16-27D-36 BTR, 541 FSL & 465 FEL					
Well Position	+N/-S	0.0 ft	Northing:	675,938.61 ft	Latitude:	40° 11' 6.691 N
	+E/-W	0.0 ft	Easting:	2,267,961.61 ft	Longitude:	110° 32' 27.179 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,022.0 ft

<b>Wellbore</b>	Plan #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/31/2009	11.70	65.86	52,448

<b>Design</b>	Design #1 4Aug2011			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	307.75

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,575.1	9.50	307.75	3,572.9	24.1	-31.1	2.00	2.00	0.00	307.75	
5,690.6	9.50	307.75	5,659.4	237.8	-307.2	0.00	0.00	0.00	0.00	
6,324.1	0.00	0.00	6,290.0	269.9	-348.7	1.50	-1.50	0.00	180.00	16-27D BTR 3PT MKI
9,479.1	0.00	0.00	9,445.0	269.9	-348.7	0.00	0.00	0.00	0.00	16-27D BTR PBHL

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 16-27D-36 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Site:</b>	16-27D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	16-27D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan #1		
<b>Design:</b>	Design #1 4Aug2011		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,995.0	0.00	0.00	2,995.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Green River</b>									
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	2.00	307.75	3,200.0	1.1	-1.4	1.7	2.00	2.00	0.00
3,300.0	4.00	307.75	3,299.8	4.3	-5.5	7.0	2.00	2.00	0.00
3,400.0	6.00	307.75	3,399.5	9.6	-12.4	15.7	2.00	2.00	0.00
3,500.0	8.00	307.75	3,498.7	17.1	-22.0	27.9	2.00	2.00	0.00
3,575.1	9.50	307.75	3,572.9	24.1	-31.1	39.3	2.00	2.00	0.00
3,600.0	9.50	307.75	3,597.5	26.6	-34.3	43.4	0.00	0.00	0.00
3,668.5	9.50	307.75	3,665.0	33.5	-43.3	54.7	0.00	0.00	0.00
<b>Mahogany</b>									
3,700.0	9.50	307.75	3,696.1	36.7	-47.4	59.9	0.00	0.00	0.00
3,800.0	9.50	307.75	3,794.7	46.8	-60.4	76.4	0.00	0.00	0.00
3,900.0	9.50	307.75	3,893.4	56.9	-73.5	92.9	0.00	0.00	0.00
4,000.0	9.50	307.75	3,992.0	67.0	-86.5	109.4	0.00	0.00	0.00
4,100.0	9.50	307.75	4,090.6	77.1	-99.6	126.0	0.00	0.00	0.00
4,200.0	9.50	307.75	4,189.3	87.2	-112.7	142.5	0.00	0.00	0.00
4,300.0	9.50	307.75	4,287.9	97.3	-125.7	159.0	0.00	0.00	0.00
4,400.0	9.50	307.75	4,386.5	107.4	-138.8	175.5	0.00	0.00	0.00
4,500.0	9.50	307.75	4,485.1	117.5	-151.8	192.0	0.00	0.00	0.00
4,600.0	9.50	307.75	4,583.8	127.6	-164.9	208.5	0.00	0.00	0.00
4,700.0	9.50	307.75	4,682.4	137.7	-177.9	225.0	0.00	0.00	0.00
4,800.0	9.50	307.75	4,781.0	147.8	-191.0	241.5	0.00	0.00	0.00

RECEIVED: August 10, 2011

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 16-27D-36 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Site:</b>	16-27D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	16-27D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan #1		
<b>Design:</b>	Design #1 4Aug2011		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,900.0	9.50	307.75	4,879.6	157.9	-204.0	258.0	0.00	0.00	0.00
5,000.0	9.50	307.75	4,978.3	168.1	-217.1	274.5	0.00	0.00	0.00
5,067.7	9.50	307.75	5,045.0	174.9	-225.9	285.7	0.00	0.00	0.00
<b>TGR3</b>									
5,100.0	9.50	307.75	5,076.9	178.2	-230.1	291.0	0.00	0.00	0.00
5,200.0	9.50	307.75	5,175.5	188.3	-243.2	307.5	0.00	0.00	0.00
5,300.0	9.50	307.75	5,274.2	198.4	-256.2	324.1	0.00	0.00	0.00
5,400.0	9.50	307.75	5,372.8	208.5	-269.3	340.6	0.00	0.00	0.00
5,500.0	9.50	307.75	5,471.4	218.6	-282.3	357.1	0.00	0.00	0.00
5,600.0	9.50	307.75	5,570.0	228.7	-295.4	373.6	0.00	0.00	0.00
5,690.6	9.50	307.75	5,659.4	237.8	-307.2	388.5	0.00	0.00	0.00
5,700.0	9.36	307.75	5,668.7	238.8	-308.4	390.1	1.50	-1.50	0.00
5,800.0	7.86	307.75	5,767.5	248.0	-320.3	405.0	1.50	-1.50	0.00
5,900.0	6.36	307.75	5,866.8	255.5	-330.1	417.4	1.50	-1.50	0.00
5,913.3	6.16	307.75	5,880.0	256.4	-331.2	418.9	1.50	-1.50	0.00
<b>Douglas CRK</b>									
6,000.0	4.86	307.75	5,966.3	261.5	-337.8	427.2	1.50	-1.50	0.00
6,100.0	3.36	307.75	6,066.0	265.9	-343.5	434.4	1.50	-1.50	0.00
6,200.0	1.86	307.75	6,165.9	268.7	-347.1	438.9	1.50	-1.50	0.00
6,300.0	0.36	307.75	6,265.9	269.9	-348.6	440.9	1.50	-1.50	0.00
6,324.1	0.00	0.00	6,290.0	269.9	-348.7	440.9	1.50	-1.50	0.00
<b>3PT MKR - 16-27D BTR 3PT MKR</b>									
6,400.0	0.00	0.00	6,365.9	269.9	-348.7	440.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,465.9	269.9	-348.7	440.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,565.9	269.9	-348.7	440.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,665.9	269.9	-348.7	440.9	0.00	0.00	0.00
6,724.1	0.00	0.00	6,690.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>Black Shale Facies</b>									
6,800.0	0.00	0.00	6,765.9	269.9	-348.7	440.9	0.00	0.00	0.00
6,879.1	0.00	0.00	6,845.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>Castle Peak</b>									
6,900.0	0.00	0.00	6,865.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,965.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,065.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,165.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,204.1	0.00	0.00	7,170.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>Uteland Butte</b>									
7,279.1	0.00	0.00	7,245.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 1</b>									
7,300.0	0.00	0.00	7,265.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,365.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,465.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,539.1	0.00	0.00	7,505.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>Wasatch</b>									
7,600.0	0.00	0.00	7,565.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,665.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,704.1	0.00	0.00	7,670.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 2</b>									
7,800.0	0.00	0.00	7,765.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,865.9	269.9	-348.7	440.9	0.00	0.00	0.00
7,969.1	0.00	0.00	7,935.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 3</b>									
8,000.0	0.00	0.00	7,965.9	269.9	-348.7	440.9	0.00	0.00	0.00

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 16-27D-36 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Site:</b>	16-27D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	16-27D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan #1		
<b>Design:</b>	Design #1 4Aug2011		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,100.0	0.00	0.00	8,065.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,165.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,274.1	0.00	0.00	8,240.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 4</b>									
8,300.0	0.00	0.00	8,265.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,365.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,465.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,564.1	0.00	0.00	8,530.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 4A</b>									
8,600.0	0.00	0.00	8,565.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,669.1	0.00	0.00	8,635.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 5</b>									
8,700.0	0.00	0.00	8,665.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,765.9	269.9	-348.7	440.9	0.00	0.00	0.00
8,864.1	0.00	0.00	8,830.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 6</b>									
8,900.0	0.00	0.00	8,865.9	269.9	-348.7	440.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,965.9	269.9	-348.7	440.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,065.9	269.9	-348.7	440.9	0.00	0.00	0.00
9,179.1	0.00	0.00	9,145.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>CR 7</b>									
9,200.0	0.00	0.00	9,165.9	269.9	-348.7	440.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,265.9	269.9	-348.7	440.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,365.9	269.9	-348.7	440.9	0.00	0.00	0.00
9,479.1	0.00	0.00	9,445.0	269.9	-348.7	440.9	0.00	0.00	0.00
<b>TD - 16-27D BTR PBHL</b>									

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well 16-27D-36 BTR
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Project:</b>	DUCHESNE COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6037.0ft (Original Well Elev)
<b>Site:</b>	16-27D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	16-27D-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan #1		
<b>Design:</b>	Design #1 4Aug2011		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,995.0	2,995.0	Green River		0.00		
3,668.5	3,665.0	Mahogany		0.00		
5,067.7	5,045.0	TGR3		0.00		
5,913.3	5,880.0	Douglas CRK		0.00		
6,324.1	6,290.0	3PT MKR		0.00		
6,724.1	6,690.0	Black Shale Facies		0.00		
6,879.1	6,845.0	Castle Peak		0.00		
7,204.1	7,170.0	Uteland Butte		0.00		
7,279.1	7,245.0	CR 1		0.00		
7,539.1	7,505.0	Wasatch		0.00		
7,704.1	7,670.0	CR 2		0.00		
7,969.1	7,935.0	CR 3		0.00		
8,274.1	8,240.0	CR 4		0.00		
8,564.1	8,530.0	CR 4A		0.00		
8,669.1	8,635.0	CR 5		0.00		
8,864.1	8,830.0	CR 6		0.00		
9,179.1	9,145.0	CR 7		0.00		
9,479.1	9,445.0	TD		0.00		

**EASEMENT LEASE AGREEMENT**  
**BILL BARRETT CORP.**  
**FOR WELLSITES #16-27D-36 BTR, #13-16-36 BTR, #5-27D-36 BTR, and their**  
**Supporting Roads and Pipelines, AND #7-16-36 BTR Pipeline Extension**  
**RABBITT GULCH UNIT OF TABBY MOUNTAIN WILDLIFE MANAGEMENT AREA**

UDWR Easement Lease No. DUC-1011EA-169 70 1493

THIS NON-EXCLUSIVE EASEMENT LEASE AGREEMENT (“**Agreement**”) is made by and between the **Utah Division of Wildlife Resources** whose address is 1594 West North Temple, Suite 2110, Salt Lake City, Utah 84114-6301 (hereafter "**Surface Owner**") and Bill Barrett Corp., whose address is 1099 18<sup>th</sup> Street, Suite 2300, Denver, Colorado 80202 (hereafter “**Lessee**”). Surface Owner and Lessee are collectively referred to as “the **Parties**”. “**Easement Lease**” means the lease of an easement or right-of-way, for which the purpose, specific use, rights granted, location, term, fees, and other conditions are set forth herein.

**EXHIBITS**

A.1	Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #16-27D-36
A.2	Depiction of #16-27D-36 Wellsite and Access Road
A.3	Depiction of Pipeline for #16-27D-36 Wellsite
B.1	Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #13-16-36 BTR
B.2	Depiction of #13-16-36 BTR Wellsite and Access Road
B.3	Depiction of Pipeline for #13-16-36 BTR Wellsite
C.1	Legal Descriptions of Wellsite, and Access Road and Pipeline Centerlines for Wellsite #5-27D-36 BTR
C.2	Depiction of #5-27D-36 BTR Wellsite and Access Road
C.3	Depiction of Pipeline for #5-27D-36 BTR Wellsite
D.1	Legal Descriptions Pipeline Centerline Extension of Corridor Servicing Wellsite #7-16-36 BTR
D.2	Depiction of #7-16-36 BTR Pipeline Extension
E	Surface Use Plan for Lessee’s 2010 – 2011 Development Program, Lake Canyon and Blacktail Ridge Area, Duchesne County, Utah
F	Reclamation Performance Bond Number LPM9032134
G	Cooperative Mitigation Agreement

**SECTION 1 GRANT AND LOCATION OF EASEMENT**

- 1.1

**Burdened Property.** Surface Owner owns certain real property known to Surface Owner as the Rabbit Gulch Unit of the Tabby Mountain Wildlife Management Area (“**WMA**”). Surface Owner represents that its purposes and uses of owning said WMA is to provide important habitat for wildlife, and to provide wildlife-based recreation for the general public. Surface Owner grants and conveys to Lessee a nonexclusive easement lease (“**Easement**”) for four wellsites (“**Wellsites**” or “**Damage Areas**”) and pipelines and access roads associated with those wellsites. The legal descriptions of the road and pipeline centerlines, and of the wellsites, whichever the case may be, of the portions of the WMA to which Lessee is hereby granted an Easement are set forth in Exhibits A.1, B.1, C.1, and D.1, said property hereafter referred to as “**Burdened Property**” and approximately depicted in Exhibits A.2, A.3, B.2, B.3, C.2, C.3, and D.2. Lessee shall have a 50-foot wide easement, 25 feet on either side of the pipeline centerlines described respectively in Exhibits A.1, B.1, C.1, and D.1 during the construction of the respective pipelines, thereafter to be reduced to a 30-foot width, 15 feet on either side of the respective centerlines. Access roads shall be of a width of 30 feet, 15 feet on either side of the respective centerlines described in Exhibits A.1, B.1, and C.1.
- 1.2

**Right of Third Parties.** This Easement is subject to all valid interests of third parties. Surface Owner claims title in fee simple, but does not warrant to Lessee the validity of title to the Burdened Property. Lessee shall have no claim for damages or refund against Surface Owner for any claimed failure or deficiency of Surface Owner’s title to said lands, or for interference by any third party.

## SECTION 26 MODIFICATION

Any modification of this Agreement must be in writing and signed by the parties. Surface Owner or Lessee shall not be bound by any oral representations of Surface Owner or Lessee. Authorized signatures for the Division of Wildlife Resources may be provided by only the Director or the Director's designee.

## SECTION 27 SURVIVAL

Any obligations which are not fully performed upon termination of this Easement shall not cease, but shall continue as obligations until fully performed.

## SECTION 28 WAIVER

No Waiver of Conditions by Surface Owner of any default of Lessee or failure of Surface Owner to timely enforce any provision of this Agreement shall constitute a waiver of or constitute a bar to subsequent enforcement of the same or other provisions of this Agreement. No provision in this Agreement shall be construed to prevent Surface Owner from exercising any legal or equitable remedy it may have.

## SECTION 29 WATER RIGHTS

Lessee shall not file an application to appropriate water from the surface or subsurface of Surface Owner's lands unless the application is approved by Surface Owner in writing and is filed in the name of the Surface Owner. All water structures, including impoundment, diversion and conveyance structures or works, used to impound, divert or convey water claimed solely under a Surface Owner water right shall be the property of Surface Owner.

## SECTION 30 INVALIDITY

If any provision of this Agreement proves to be invalid, void, or illegal, it shall in no way affect, impair, or invalidate any other provision of this Agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement, effective on the date of the last signature below.

### SURFACE OWNER


STATE OF UTAH  
DEPARTMENT OF NATURAL  
RESOURCES, DIVISION OF WILDLIFE  
RESOURCES

By:   
James F. Karpowitz **ACTING DIRECTOR**  
Director of Wildlife Resources

Date: 4/14/11

### LESSEE

BILL BARRETT CORP.

By:   
Huntington T. Walker  
Sr. Vice President - Land  
Bill Barrett Corporation

Date: April 4<sup>th</sup>, 2011

**SURFACE USE PLAN**

BILL BARRETT CORPORATION

**16-27D-36 BTR Well Pad**

SE SE, 541' FSL and 465' FEL, Section 27, T3S-R6W, USB&M (surface hole)

SE SE, 810' FSL and 810' FEL, Section 27, T3S-R6W, USB&M (bottom hole)

Duchesne County, Utah

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The onsite inspection for this pad occurred on May 17, 2011. Site specific conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

- Divert drainages around well pad as reflected on Figure 1;
- Utilize 20 mil liners over felt;
- Juniper Green paint color

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. **Existing Roads:**

- a. The proposed well site is located approximately 11.3 miles northwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing Duchesne County maintained CR 300 would be utilized from Highway 40 for 1.3 miles. From CR 300 existing BBC maintained access continues for 0.9 miles to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State Road Department and Duchesne County Road maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.



Bill Barrett Corporation  
Surface Use Plan  
#16-27D-36 BTR  
Duchesne County, UT

2. Planned Access Road:

- a. Approximately 103 feet of new access road trending north is planned from the existing BBC maintained 13-26-36 BTR access road (see Topographic Map B).
- b. The road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.
- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.

Bill Barrett Corporation  
Surface Use Plan  
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Duchesne County, UT

- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
  - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
  - m. The operator would be responsible for all maintenance needs of the new access road.
3. Location of Existing Wells (see One-Mile Radius Map):
- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
    - i. water wells none
    - ii. injection wells none
    - iii. disposal wells none
    - iv. drilling wells none
    - v. temp shut-in wells none
    - vi. producing wells seven
    - vii. abandoned wells three
4. Location of Production Facilities
- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
  - b. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.
  - c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills.

Bill Barrett Corporation  
Surface Use Plan  
#16-27D-36 BTR  
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All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 71 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending south to the existing 13-26-36 BTR pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the existing pipeline servicing nearby BBC and El Paso wells. The pipeline crosses entirely UDWR surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Juniper Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

Bill Barrett Corporation  
 Surface Use Plan  
 #16-27D-36 BTR  
 Duchesne County, UT

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

<b>Water Right No. and Application or Change No.</b>	<b>Applicant</b>	<b>Allocation</b>	<b>Date</b>	<b>Point of Diversion</b>	<b>Source</b>
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.

Bill Barrett Corporation  
 Surface Use Plan  
 #16-27D-36 BTR  
 Duchesne County, UT

- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 20 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

<b>Disposal Facilities</b>
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302,

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Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.

Bill Barrett Corporation  
Surface Use Plan  
#16-27D-36 BTR  
Duchesne County, UT

- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 285 feet with an inboard reserve pit size of 100 feet x 200 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency or the fee landowners.



Bill Barrett Corporation  
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Duchesne County, UT

- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the landowner specified seed mix.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the landowner prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership – Utah Division of Wildlife Resources – 1594 West North Temple, Suite 2110, Salt Lake City, Utah 84114-6301; 801-538-4744. Surface use remains in place through UDWR Right-of-Way DUC-1011EA-169.
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC 10-175 dated 9-24-2010.



Bill Barrett Corporation  
Surface Use Plan  
#16-27D-36 BTR  
Duchesne County, UT

- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
  - No dogs or firearms within the Project Area.
  - No littering within the Project Area.
  - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
  - Campfires or uncontained fires of any kind would be prohibited.
  - Portable generators used in the Project Area would have spark arrestors.
- d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		3.461	acres
Access	103 feet	0.054	acres
Pipeline	71 feet	0.032	acres

**Total            3.547    acres**

Bill Barrett Corporation  
Surface Use Plan  
#16-27D-36 BTR  
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

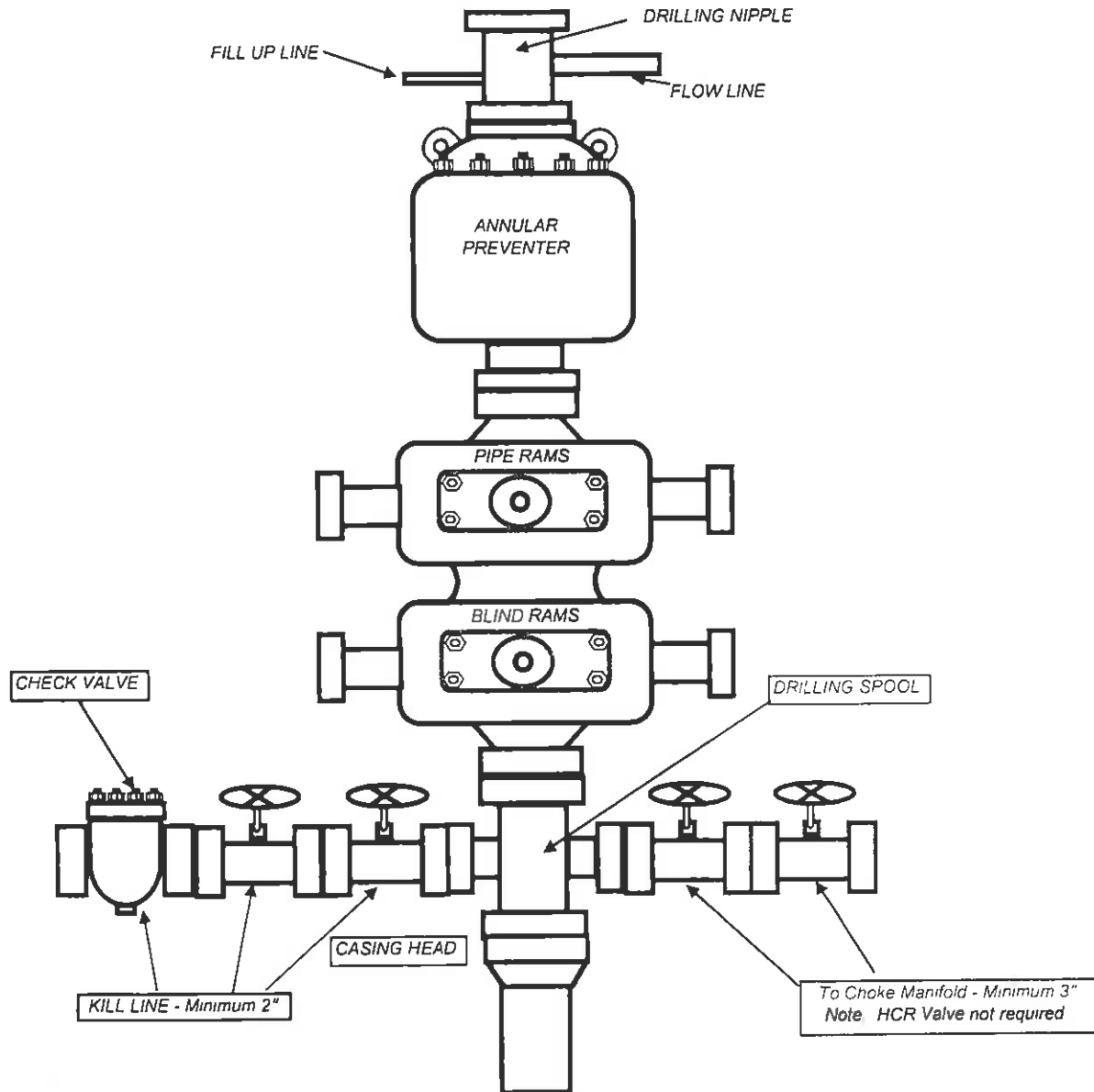
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	<u>2nd</u> day of <u>August</u> 2011
Name:	Venessa Langmacher
Position Title:	Senior Permit Analyst
Address:	1099 18 <sup>th</sup> Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8172
E-mail:	vlangmacher@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com

  
\_\_\_\_\_  
Venessa Langmacher, Senior Permit Analyst

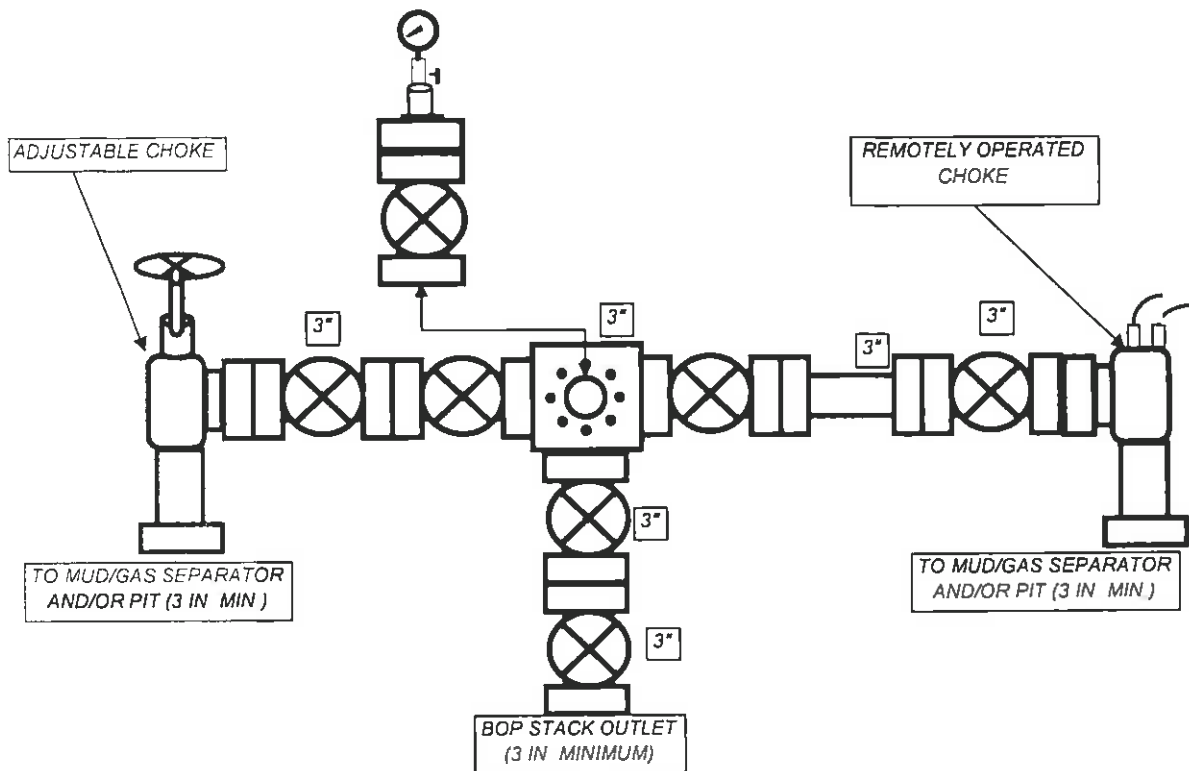
## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



# BILL BARRETT CORPORATION

## TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





August 9, 2011

Ms. Diana Mason – Petroleum Technician  
 State of Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 P. O. Box 145801  
 Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
**Blacktail Ridge Area #16-27D-36 BTR Well**  
 Surface: 541' FSL & 465' FEL, SESE, 27-T3S-R6W, USM  
 Bottom Hole: 810' FSL & 810' FEL, SESE, 27-T3S-R6W, USM  
 Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

David Watts  
 Landman

1099 18<sup>TH</sup> STREET  
 SUITE 2300  
 DENVER, CO 80202  
 P 303.293.9100  
 F 303.291.0420

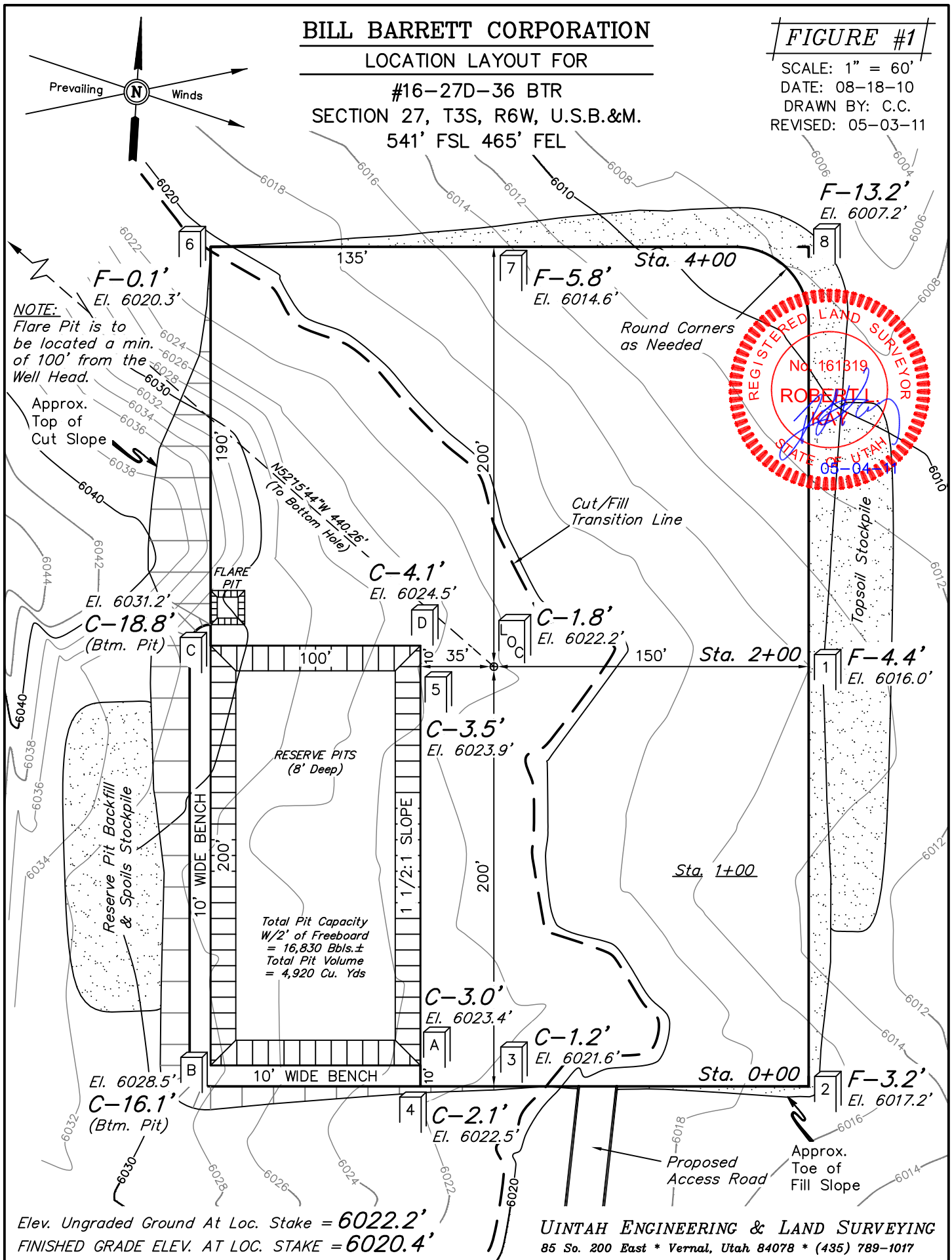
**BILL BARRETT CORPORATION**

## LOCATION LAYOUT FOR

#16-27D-36 BTR  
SECTION 27, T3S, R6W, U.S.B.&M.  
541' FSL 465' FEL

**FIGURE #1**

SCALE: 1" = 60'  
DATE: 08-18-10  
DRAWN BY: C.C.  
REVISED: 05-03-11



**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED: August 10, 2011**

**BILL BARRETT CORPORATION****TYPICAL CROSS SECTION FOR**

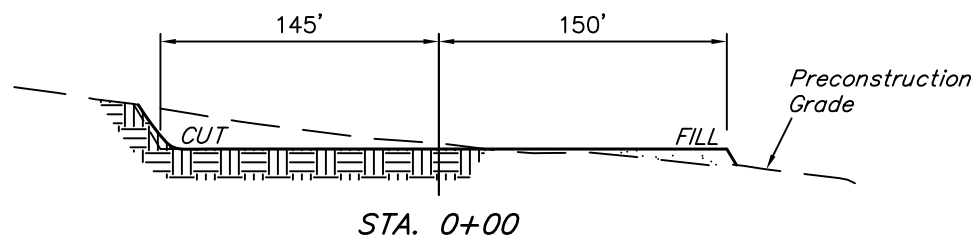
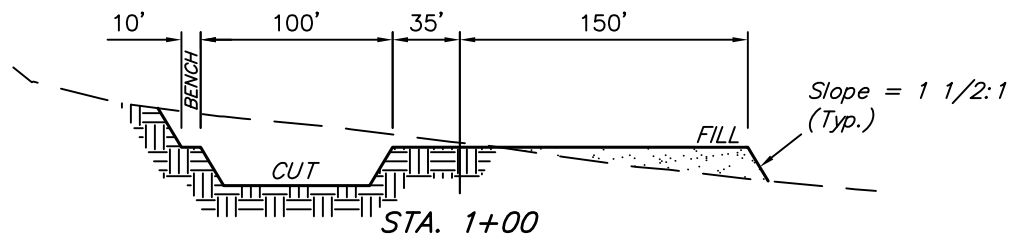
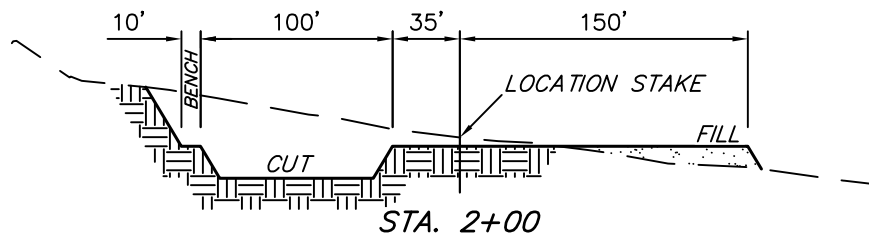
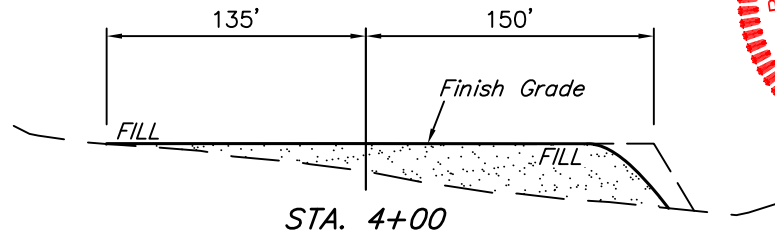
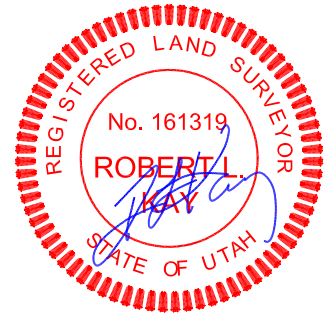
#16-27D-36 BTR

SECTION 27, T3S, R6W, U.S.B.&amp;M.

541' FSL 465' FEL

**FIGURE #2**

1" = 40'  
X-Section  
Scale  
1" = 100'  
DATE: 08-18-10  
DRAWN BY: C.C.

**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE = ± 3.461 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.054 ACRES  
PIPELINE DISTURBANCE = ± 0.032 ACRES  
TOTAL = ± 3.547 ACRES

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping = 2,520 Cu. Yds.  
Remaining Location = 14,110 Cu. Yds.  
TOTAL CUT = 16,630 CU.YDS.  
FILL = 11,650 CU.YDS.

EXCESS MATERIAL = 4,980 Cu. Yds.  
Topsoil & Pit Backfill = 4,980 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED: August 10, 2011**

**BILL BARRETT CORPORATION**

## TYPICAL RIG LAYOUT FOR

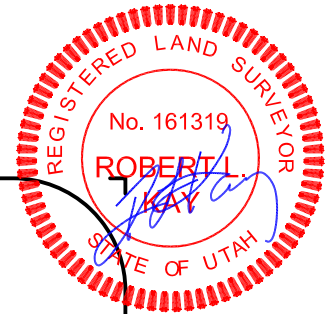
#16-27D-36 BTR  
SECTION 27, T3S, R6W, U.S.B.&M.  
541' FSL 465' FEL

**FIGURE #3**

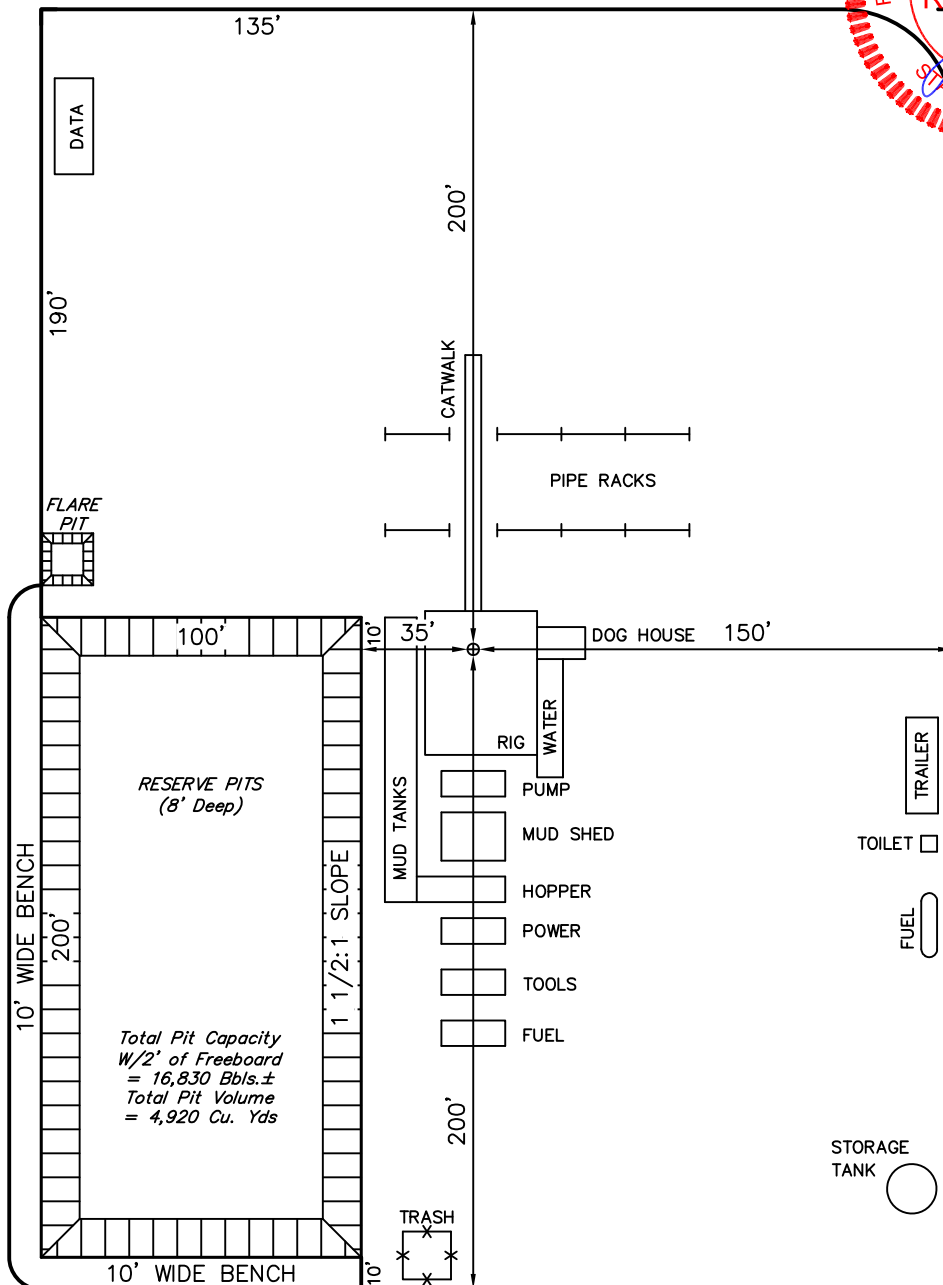
SCALE: 1" = 60'

DATE: 08-18-10

DRAWN BY: C.C.



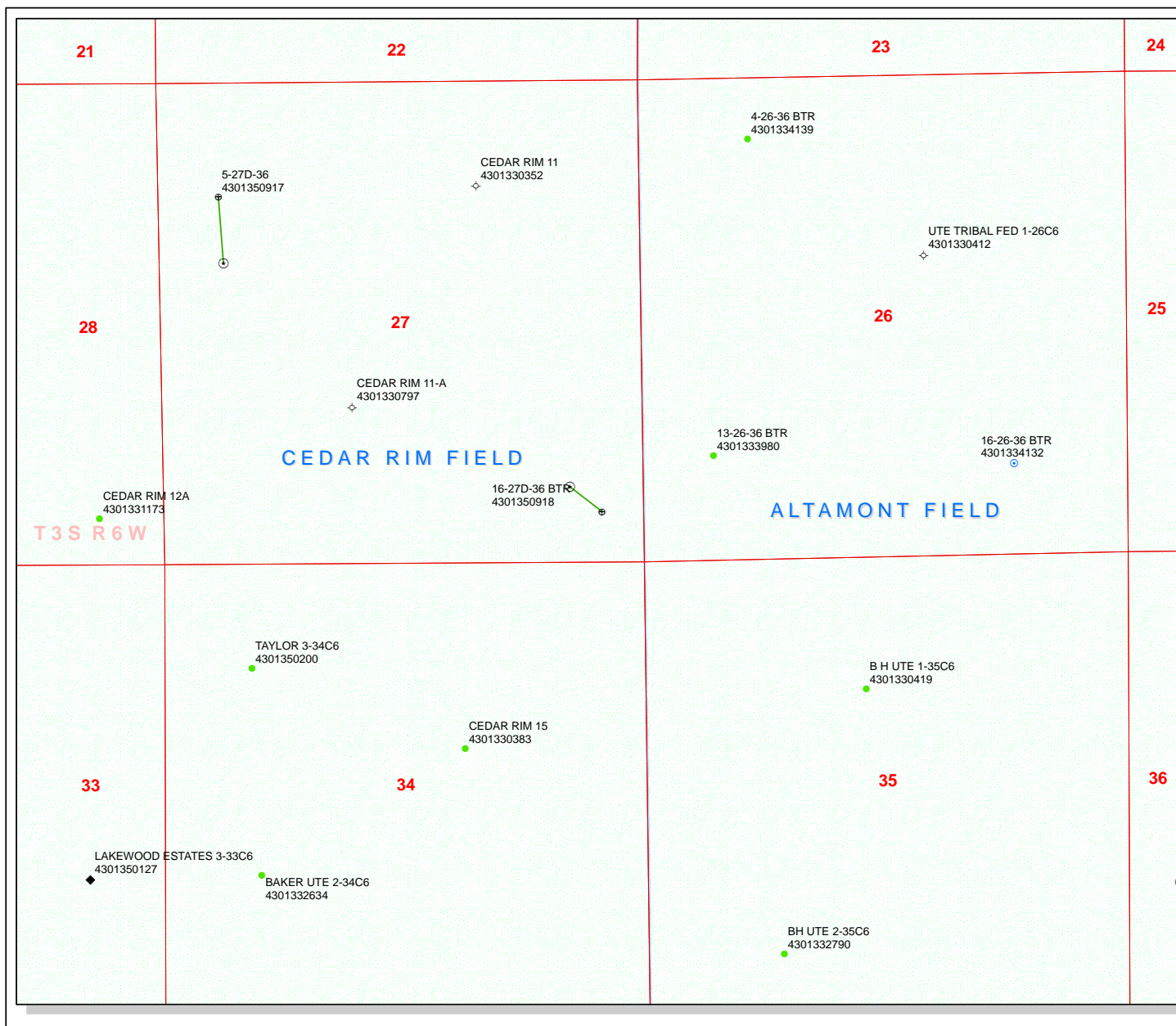
NOTE:  
Flare Pit is to  
be located a min.  
of 100' from the  
Well Head.



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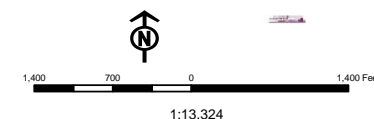
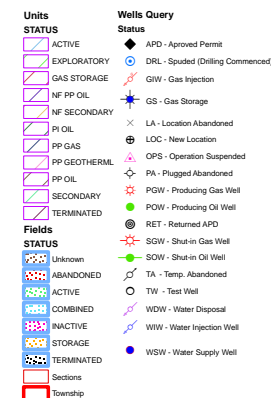
**RECEIVED: August 10, 2011**





**API Number: 4301350918**  
**Well Name: 16-27D-36 BTR**  
**Township T0.3 . Range R0.6 . Section 27**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason



# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

<b>Operator</b>	BILL BARRETT CORP				
<b>Well Name</b>	16-27D-36 BTR				
<b>API Number</b>	43013509180000	<b>APD No</b>	4327	<b>Field/Unit</b>	CEDAR RIM
<b>Location: 1/4,1/4</b>	SESE	<b>Sec</b>	27	<b>Tw</b>	3.0S
		<b>Rng</b>	6.0W	541	FSL 465 FEL
<b>GPS Coord (UTM)</b>	539089 4448205	<b>Surface Owner</b>	Utah Division on Wildlife Resources		

### **Participants**

James Hereford (BLM), Kary Eldredge (Bill Barrett), Roger Knight (Bill Barrett), Don Hamilton (Star Point), Trevor Anderson (UELS), Matt Serfustini (EIS), Richard Powell (DOGM), Kelly Jo Jackson (Montgomery), Alex Hansen (DWR)

### **Regional/Local Setting & Topography**

This location sits on a long flat east west running ridge between Rabbit Gulch and Hwy 40. Rabbit Gulch is approximately .5 mile to the north and Hwy 40 is approximately .5 mile to the south. Drainage from this site is to both the north and south but there are only minor drainages crossing the site and the slopes are very gradual. Drainage is ultimately toward Starvation Lake approximately 1.5 miles east and south. Duchesne UT is approximately 8 miles to the east but 11.3 miles by road.

### **Surface Use Plan**

**Current Surface Use**  
Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.02	<b>Width</b> 285 <b>Length</b> 400	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Deer, elk, coyote, rabbits and other small mammals, song birds, raptors  
Sage, grease wood, grasses, salt brush, rabbit brush,

#### **Soil Type and Characteristics**

Sandy soil with scattered broken rock on surface.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** Y

**Erosion Sedimentation Control Required? N****Paleo Survey Run? Y   Paleo Potential Observed? N   Cultural Survey Run? Y   Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	High permeability	20
<b>Fluid Type</b>	TDS>5000 and	10
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>	35	1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit will be placed in cut in a stable location. The pit will be 100ft x 200ft x 8ft deep with a total capacity including freeboard of 16,830bbl. Kary Eldredge of BBC said they will use a 16 mil liner with a felt sub-liner and this will be adequate for the site.

**Closed Loop Mud Required? N   Liner Required? Y   Liner Thickness 16   Pit Underlayment Required? Y****Other Observations / Comments**

Richard Powell  
**Evaluator**

5/17/2011  
**Date / Time**

# Application for Permit to Drill Statement of Basis

9/19/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4327	43013509180000	LOCKED	OW	S	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Utah Division on Wildlife Resources	
<b>Well Name</b>	16-27D-36 BTR		<b>Unit</b>		
<b>Field</b>	CEDAR RIM		<b>Type of Work</b>	DRILL	
<b>Location</b>	SESE 27 3S 6W U 541 FSL 465 FEL GPS Coord (UTM) 539091E 4448189N				

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
**APD Evaluator**

9/8/2011  
**Date / Time**

**Surface Statement of Basis**

This onsite evaluation was arranged by James Hereford of the BLM in cooperation with Bill Barrett Corp and was scheduled prior to the APD being submitted to UDOGM. The surface owner is the Utah Division of Wildlife Resources and Alex Hansen was present as the land owner representative. Mr. Hansen stated that this is crucial winter range for deer and elk and a stipulation is in place that no drilling or construction be done during winter months, but this stipulation may be waived in lieu of mitigation payment. There is a small drainage which must be diverted around the north side of the location. Roger Knight, Bill Barrett construction supervisor agreed to ensure this diversion is made. Kary Eldredge of Bill Barrett stated that a 16 mil liner and felt subliner would be used. Mr. Hereford of the BLM stated that he had no concerns with this location. This appears to be a good site for this location.

Richard Powell  
**Onsite Evaluator**

5/17/2011  
**Date / Time**

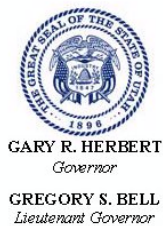
**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 8/10/2011**API NO. ASSIGNED:** 43013509180000**WELL NAME:** 16-27D-36 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**PHONE NUMBER:** 303 312-8172**CONTACT:** Venessa Langmacher**PROPOSED LOCATION:** SESE 27 030S 060W**Permit Tech Review:** ☒**SURFACE:** 0541 FSL 0465 FEL**Engineering Review:** ☐**BOTTOM:** 0810 FSL 0810 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.18507**LONGITUDE:** -110.54081**UTM SURF EASTINGS:** 539091.00**NORTHINGS:** 4448189.00**FIELD NAME:** CEDAR RIM**LEASE TYPE:** 2 - Indian**LEASE NUMBER:** 2OG0005608**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** INDIAN - LPM8874725☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** Duchesne City Culinary Water Dock☐ **RDCC Review:**☒ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 139-84**Effective Date:** 12/31/2008**Siting:** 660' Fr Drl U Bdry & 1320' Fr Other Wells☒ **R649-3-11. Directional Drill****Comments:** Presite Completed  
SURF OWNER DWR:**Stipulations:** 4 - Federal Approval - dmason  
5 - Statement of Basis - bhll  
15 - Directional - dmason**RECEIVED: September 19, 2011**



## State of Utah

### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

#### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** 16-27D-36 BTR  
**API Well Number:** 43013509180000  
**Lease Number:** 2OG0005608  
**Surface Owner:** STATE  
**Approval Date:** 9/19/2011

#### Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

#### Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

#### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 11 2011

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

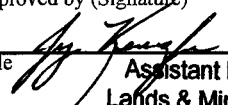
## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 2OG0005608
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 16-27D-36 BTR
3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420		9. API Well No. 43-013-50918
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 541FSL 465FEL 40.185150 N Lat, 110.541597 W Lon At proposed prod. zone SESE 810FSL 810FEL 40.185889 N Lat, 110.542842 W Lon		10. Field and Pool, or Exploratory ALTAMONT
14. Distance in miles and direction from nearest town or post office* 11.3 MILES NORTHWEST OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T3S R6W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810' (BTM. HOLE)	16. No. of Acres in Lease 66101.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1630'	19. Proposed Depth 9479 MD 9445 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6022 GL	22. Approximate date work will start 11/01/2011	17. Spacing Unit dedicated to this well 640.00
		20. BLM/BIA Bond No. on file LPM8874725
		23. Estimated duration 60 DAYS (D&C)

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 08/10/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date OCT 27 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #114904 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 08/16/2011 ()

RECEIVED

NOV 07 2011

NOTICE OF APPROVAL

UDOGM

DIV. OF OIL, GAS &amp; MINING

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

11SS0075AE

NOS- 4/29/2011



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation  
Well No: 16-27D-36 BTR  
API No: 43-013-50918

Location: SESE, Sec. 27, T3S, R6W  
Lease No: 2OG0005608  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**CONDITIONS OF APPROVAL:**

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable Easement Agreements from the UDWR, APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- Additional mitigation measures in Easement Agreement 169 issued by the UDWR shall be followed and implemented onsite during all phases of work.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Wood shall be saved per the surface owner's recommendations piled up around well pad and along access roads. Wood from the locations can also be used for reclamation purposes and habitat improvements.
- Noxious weeds will be treated, monitored, and controlled along both the access road, pipeline route, and on the well pad itself.
- Minimal vegetation removal around the well pad to lessen the visual impact and to aid in revegetation efforts in the future.
- Insure topsoil stability on location and use topsoil for interim reclamation as soon as possible to maintain viability of topsoil resource.
- All above ground production facilities will be painted Juniper Green on all locations to help blend in with the surrounding habitat.
- Roads shall be crown and ditched to divert any runoff from pooling on the road surface itself, this also aids in lessening erosion on the road and disturbed area. Wing ditches can be installed to also aid in controlling runoff from affecting the proposed road. These shall be spaced to adequately catch any runoff along the ditches and aid in diverted water to the surrounding vegetation.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources, prevent unnecessary surface disturbance, and conform to currently available technologies and practices.

- Site reclamation will be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact UDWR or the BLM for possible seed mixes to use in the project area. Seeds shall be planted in August and prior to ground freeze. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 400 ft. above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

#### OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if



performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 16-27D-36 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013509180000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0541 FSL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/1/2012			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 03/01/2012 at 11:00 am by Triple A Drilling.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 08, 2012

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 3/8/2012

## BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling  
Submitted By Venessa Langmach Phone Number 303-312-8172  
Well Name/Number 16-27D-36 BTR  
Qtr/Qtr SESE Section 27 Township 3S Range 6W  
Lease Serial Number 2OG0005608  
API Number 43-013-50918

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 03/02/2012 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

FEB 22 2012

DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_  
\_\_\_\_\_

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752005	Aurora Federal 3-20D-7-20		NENW	20	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18444	3/3/2012		3/20/2012		
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 4:30 pm. <u>GRRV BHL: nenw</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350918	16-27D-36 BTR		SESE	27	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18445	3/1/2012		3/20/2012		
<b>Comments:</b> Spudding Operating was conducted by Triple A Drilling @ 11:00 am. <u>GRWS BHL: sese</u>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

3/8/2012

Title

Date

Div. of Oil, Gas & Mining

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005608																														
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 13H-27-36 BTR																														
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<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		<b>COUNTY:</b> DUCHESNE																														
<b>STATE:</b> UTAH																																
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/23/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> BBC hereby requests permission to change the cement for the proposed 4-1/2" liner. We are requesting that the liner be either cemented with 300sx 13.5 ppg Econocem from TD to TOL or un-cemented with 14-16 open hole packers. TOL will be 100' above the KOP.																																
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b>  <b>Date:</b> April 19, 2012 <b>By:</b> <u>Derek Quist</u>																																
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/18/2012																															



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005608			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  			
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>  			
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 13H-27-36 BTR			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0541 FSL 0465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509180000			
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/15/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input checked="" type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>This sundry is being submitted to revise the subject well from directional to a horizontal well. As a result of this change, we would also like to revise the well name. Please see revised survey plat, drilling program and directional plan attached. Revised Well Name: 13H-27-36 BTR Wasatch Surface Location (No Change): SE SE 541' FSL and 465' FEL, Sec. 27, T3S-R6W Revised Bottom Hole Location: SW SW 800' FSL and 800' FWL, Sec. 27, T3S-R6W Productive Interval Location: SE SE 704' FSL and 939' FEL, Sec. 27, T3S-R6W Please note, this location has been constructed and spud operations were conducted by setting conductor casing on 3/1/2012. Drilling operations plan to commence on 4/15/2012.</p> </div> <div style="width: 25%; text-align: right;"> <p><b>Approved by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b></p> <p><b>Date:</b> April 18, 2012</p> <p><b>By:</b> </p> </div> </div>					
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/20/2012				



**The Utah Division of Oil, Gas, and Mining**

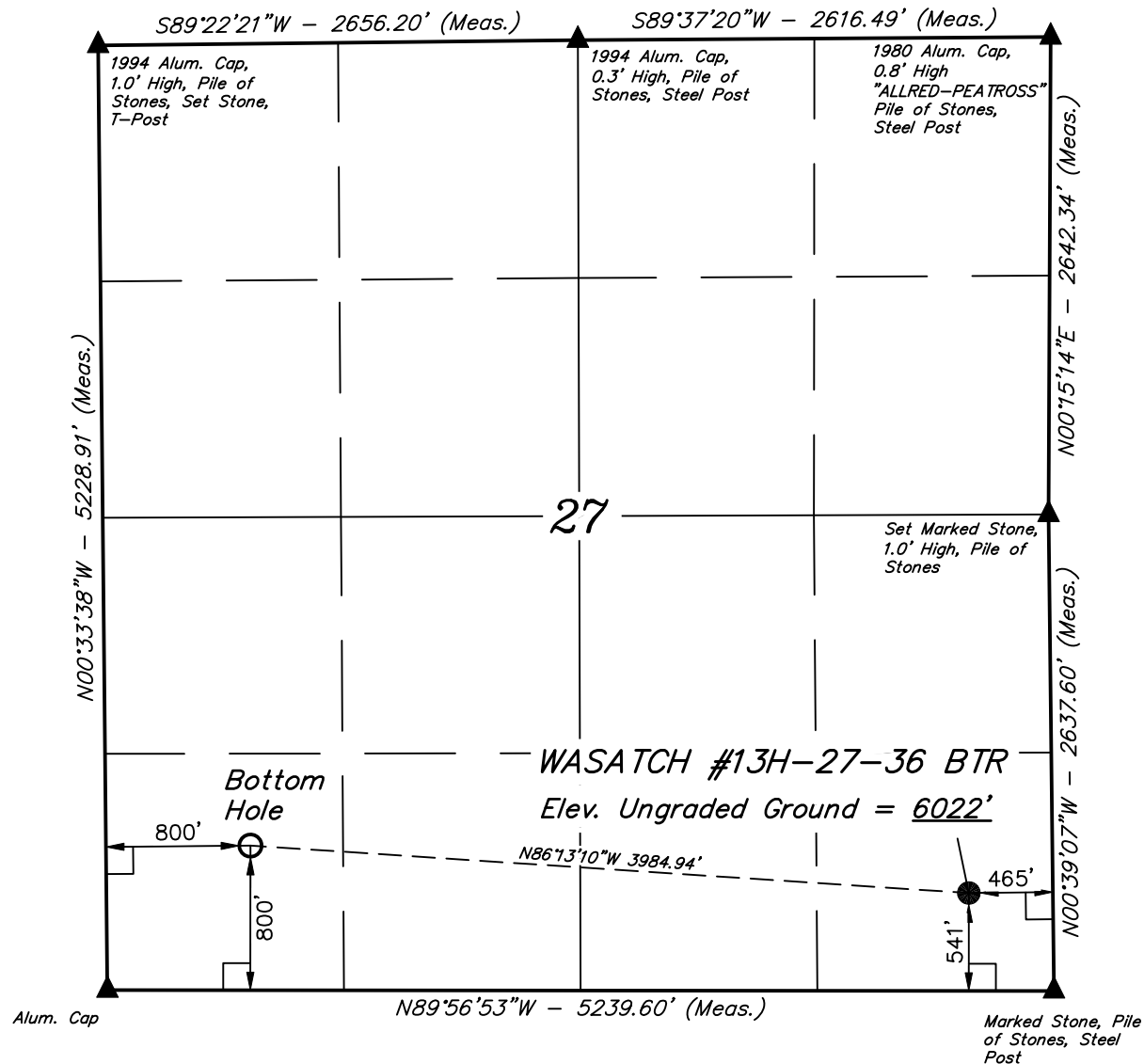
- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013509180000**

**In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.**



**T3S, R6W, U.S.B.&M.****LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°11'09.12" (40.185867)	LATITUDE = 40°11'06.54" (40.185150)
LONGITUDE = 110°33'20.97" (110.555825)	LONGITUDE = 110°32'29.75" (110.541597)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°11'09.28" (40.185911)	LATITUDE = 40°11'06.69" (40.185192)
LONGITUDE = 110°33'18.40" (110.555111)	LONGITUDE = 110°32'27.18" (110.540883)

**BILL BARRETT CORPORATION**

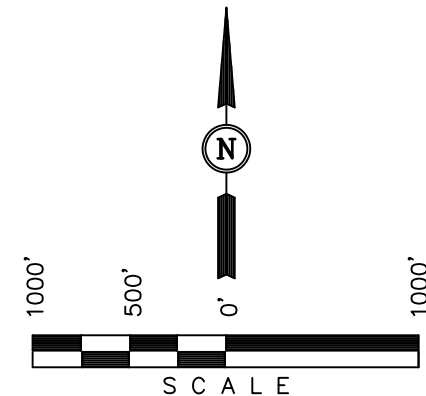
Well location, WASATCH #13H-27-36 BTR, located as shown in the SE 1/4 SE 1/4 of Section 27, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBIT GULCH QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5904 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 03-08-12  
REVISED: 05-03-11

**UINTAH ENGINEERING & LAND SURVEYING**  
**85 SOUTH 200 EAST - VERNAL, UTAH 84078**  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-11-10	DATE DRAWN: 08-17-10
PARTY T.A. C.N. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

RECEIVED: Mar. 20, 2012



**DRILLING PLAN**

BILL BARRETT CORPORATION

13H-27-36 BTR Wasatch

SHL: SE SE, 541' FSL and 465' FEL, Section 27, T3S-R6W

BHL: SW SW, 800' FSL and 800' FWL, Section 27, T3S-R6W

Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a horizontal through the prospective zone within the Wasatch.

**1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

**HORIZONTAL LEG FORMATION TOPS**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth - TVD</u></b>
Green River	3,006'	3,006'
Surface Casing	2,800'	2,800'
Mahogany	3,846'	3,846'
TGR3	5,096'	5,096'
Douglas Creek	5,896'	5,896'
3 PT Marker	6,306'	6,306'
Black Shale Facies	6,706'	6,706'
Castle Peak	6,871'	6,871'
Uteland Butte	7,196'	7,196'
CR1	7,271'	7,271'
Wasatch	7,521'	7,521'
CR2	7,696'	7,696'
CR3	7,946'	7,945'
*CR4	8,370'	8,257'
TD	12,119'	8,116'

\*PROSPECTIVE PAY

The Wasatch CR4 is the primary objective for oil/gas.

Base of Useable Water = 544'

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>						
12-1/4"	surface	2,800'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 3/4"	surface	8,576'	7"	23.0 ppf	P-110	LT&C	New
6 1/8"	surface	12,119'	4 1/2" Liner with 4-1/2" Tieback for frac	11.6 ppf	P-110	LT&C	New



Drilling Plan  
13H-27-36 BTR Wasatch  
Duchesne Co., UT

## 5. Cementing Program

9 5/8" Surface Casing	Lead with approximately 410 sx Halliburton Light Premium cement with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx). TOC @ Surface Tail with 210 sx Premium 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx) calculated hole volume with 75% excess. TOC @ 2,300' Top out cement, if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft <sup>3</sup> /sk)
7" Intermediate Casing	Lead with approximately 430 sx Tune Light cement with additives, mixed at 11.0 ppg (yield = 3.14 ft <sup>3</sup> /sx). TOC @ 2,300' Tail with approximately 130 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). TOC @ 6,821'
4 1/2" Liner with 4-1/2" Tieback to surface	No cement will be used in this section. Swell packers will be run to isolate the production hole from the intermediate casing section.
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to 200' inside of surface casing.	

## 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 2,800'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,800' – 8,596'	8.9 – 9.2	26 - 36	NC	Fresh Water with sweeps
8,596' – TD	9.0 – 9.5	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

## 7. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2,800'	No pressure control required
2,800' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 5000 psi;	
- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

Drilling Plan  
 13H-27-36 BTR Wasatch  
 Duchesne Co., UT

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**8. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**9. Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD with GR as needed to land wellbore;
WL Logging	None in intermediate
Note: FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

**10. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4009 psi\* and maximum anticipated surface pressure equals approximately 2223 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

**11. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

**12. Drilling Schedule**

Location Construction: Completed in January 2012  
 Spud: Conductor set 3/1/2012 – Continue Drilling April 15, 2012  
 Duration: 25 days drilling time  
 25 days completion time

Sundry Number: 24031 API Well Number: 43013509180000



Bill Barrett Corp.  
Project: Duchesne Co., UT (NAD27)  
Site: Sec.27-T3S-R6W  
Well: Wasatch 13H-27-36 BTR  
Wellbore: Wellbore #2-Crv/Lat  
Design: Design #2  
Lat: 40° 11' 6.691 N  
Long: 110° 32' 27.179 W  
Pad GL: 6022.00  
KB: WELL @ 6046.00usft



**PROJECT DETAILS: Duchesne Co., UT (NAD27)**

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: Utah Central 4302  
System Datum: Mean Sea Level



Azimuths to True North  
Magnetic North: 11.43°  
  
Magnetic Field  
Strength: 52200.3nT  
Dip Angle: 65.80°  
Date: 03/15/2012  
Model: IGRF2010

**WELL DETAILS: Wasatch 13H-27-36 BTR**

+N-S	+E-W	Northing	Ground Level: Easting	6022.00 Latitude	Longitude	Slot
0.00	0.00	675938.618	2267961.609	40° 11' 6.691 N	110° 32' 27.179 W	

**WELLBORE TARGET DETAILS (LAT/LONG)**

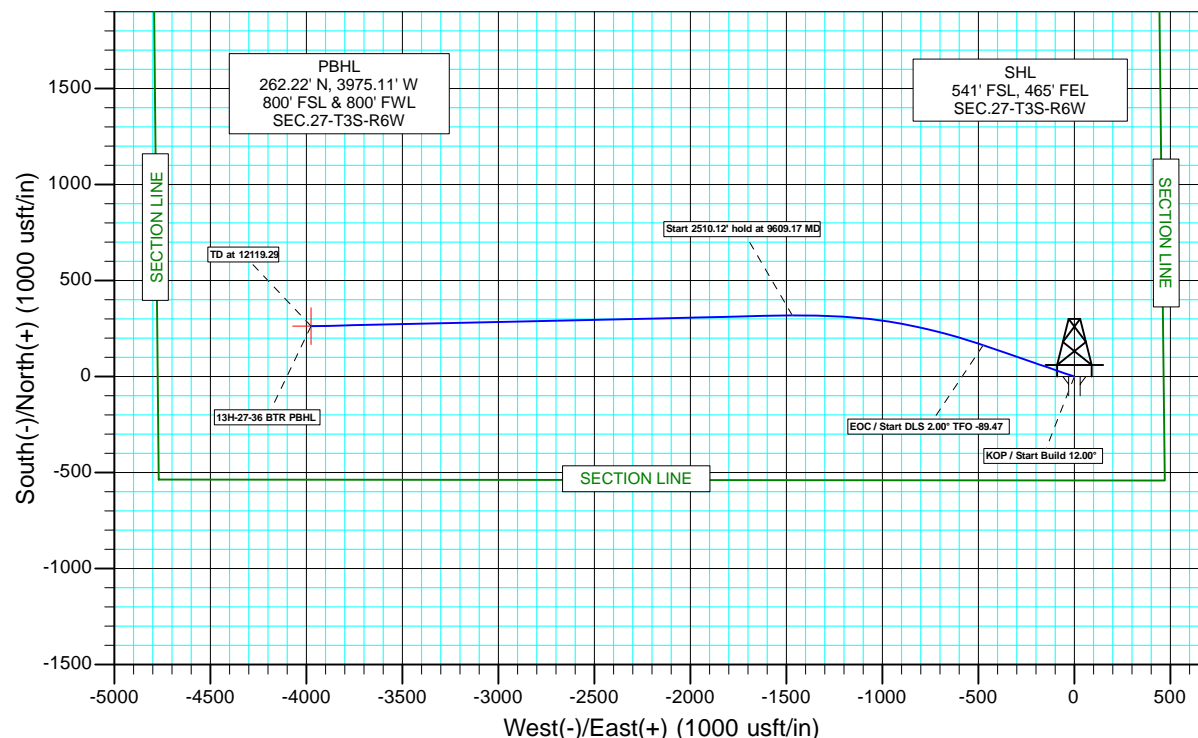
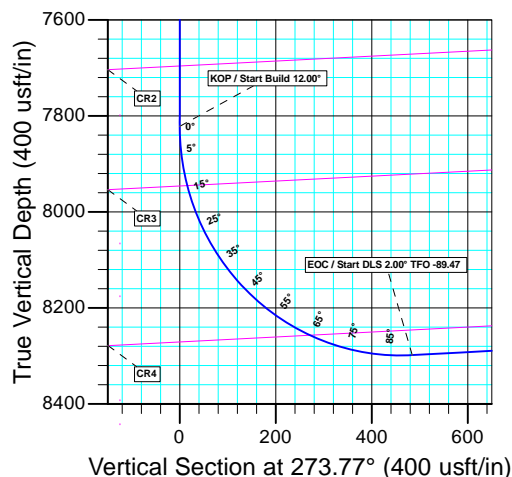
Name	TVD	+N-S	+E-W	Latitude	Longitude	Shape
13H-27-36 BTR PBHL	8116.00	262.22	-3975.11	40° 11' 9.280 N	110° 33' 18.400 W	Point

**CASING DETAILS**

TVD	MD	Name	Size
2800.00	2800.00	9 5/8" Csg.	9-5/8

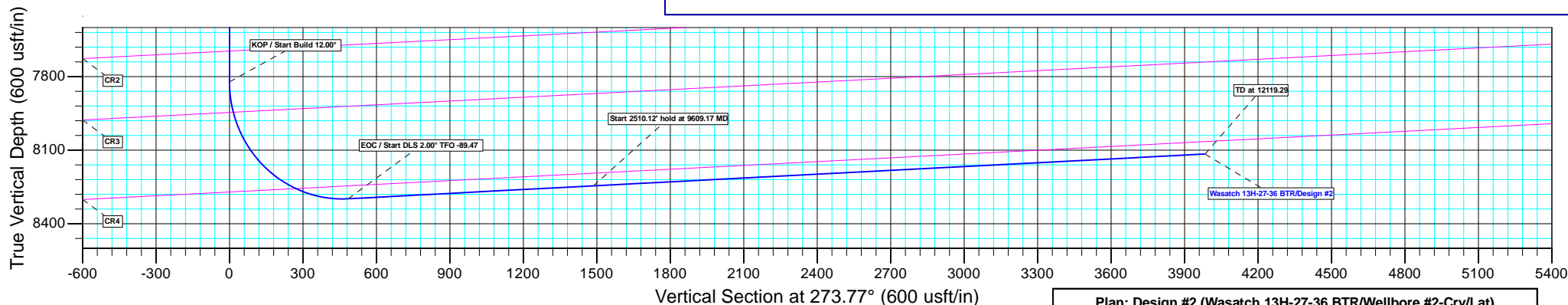
**FORMATION TOP DETAILS**

TVDPath	MDPath	Formation
3006.00	3006.00	Green River
3846.00	3846.00	Mahogany
5096.00	5096.00	Tgr3 Mkr
5896.00	5896.00	Douglas Creek
6306.00	6306.00	3PT Mkr.
6706.00	6706.00	Black Shale
6871.00	6871.00	Castle Peak
7196.00	7196.00	Uteland Butte
7271.00	7271.00	CR1
7521.00	7521.00	Wasatch
7696.00	7696.00	CR2
7945.20	7946.63	CR3
8257.22	8370.14	CR4



**SECTION DETAILS**

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7821.65	0.00	0.00	7821.65	0.00	0.00	0.00	0.00	0.00	KOP / Start Build 12.00°
8596.32	92.96	289.00	8298.48	163.47	-474.76	12.00	289.00	484.50	EOC / Start DLS 2.00° TFO -89.47
9609.17	92.96	268.72	8245.62	318.41	-1468.96	2.00	-89.47	1486.73	Start 2510.12' hold at 9609.17 MD
12119.29	92.96	268.72	8116.00	262.22	-3975.11	0.00	0.00	3983.74	TD at 12119.29



Plan: Design #2 (Wasatch 13H-27-36 BTR/Wellbore #2-Crv/Lat)

Created By: Bret Wolford

Date: 13:12, March 19 2012



# Sharewell Energy Services, LP

## Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Wasatch 13H-27-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 6046.00usft
<b>Project:</b>	Duchesne Co., UT (NAD27)	<b>MD Reference:</b>	WELL @ 6046.00usft
<b>Site:</b>	Sec.27-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	Wasatch 13H-27-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #2-Crv/Lat		
<b>Design:</b>	Design #2		

<b>Project</b>	Duchesne Co., UT (NAD27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site	Sec.27-T3S-R6W				
Site Position:		Northing:	675,938.622 usft	Latitude:	40° 11' 6.691 N
From:	Lat/Long	Easting:	2,267,961.609 usft	Longitude:	110° 32' 27.179 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.61 °

Well	Wasatch 13H-27-36 BTR					
Well Position	+N/-S	0.00 usft	Northing:	675,938.618 usft	Latitude:	40° 11' 6.691 N
	+E/-W	0.00 usft	Easting:	2,267,961.609 usft	Longitude:	110° 32' 27.179 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	6,022.00 usft

<b>Wellbore</b>	Wellbore #2-Crv/Lat				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2012/03/15	11.43	65.80	52,200

<b>Design</b>	Design #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	273.77

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,821.65	0.00	0.00	7,821.65	0.00	0.00	0.00	0.00	0.00	0.00	
8,596.32	92.96	289.00	8,298.48	163.47	-474.76	12.00	12.00	0.00	289.00	
9,609.17	92.96	268.72	8,245.62	318.41	-1,468.96	2.00	0.00	-2.00	-89.47	13H-27-36 BTR PBHI
12,119.29	92.96	268.72	8,116.00	262.22	-3,975.11	0.00	0.00	0.00	0.00	13H-27-36 BTR PBHI



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Wasatch 13H-27-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 6046.00usft
<b>Project:</b>	Duchesne Co., UT (NAD27)	<b>MD Reference:</b>	WELL @ 6046.00usft
<b>Site:</b>	Sec.27-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	Wasatch 13H-27-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #2-Crv/Lat		
<b>Design:</b>	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>9 5/8" Csg.</b>									
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Green River</b>									
3,006.00	0.00	0.00	3,006.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Mahogany</b>									
3,846.00	0.00	0.00	3,846.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Wasatch 13H-27-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 6046.00usft
<b>Project:</b>	Duchesne Co., UT (NAD27)	<b>MD Reference:</b>	WELL @ 6046.00usft
<b>Site:</b>	Sec.27-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	Wasatch 13H-27-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #2-Crv/Lat		
<b>Design:</b>	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tgr3 Mkr</b>									
5,096.00	0.00	0.00	5,096.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Douglas Creek</b>									
5,896.00	0.00	0.00	5,896.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>3PT Mkr.</b>									
6,306.00	0.00	0.00	6,306.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Black Shale</b>									
6,706.00	0.00	0.00	6,706.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Castle Peak</b>									
6,871.00	0.00	0.00	6,871.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Uteland Butte</b>									
7,196.00	0.00	0.00	7,196.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CR1</b>									
7,271.00	0.00	0.00	7,271.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Wasatch</b>									
7,521.00	0.00	0.00	7,521.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>CR2</b>									
7,696.00	0.00	0.00	7,696.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP / Start Build 12.00°</b>									
7,821.65	0.00	0.00	7,821.65	0.00	0.00	0.00	0.00	0.00	0.00
7,825.00	0.40	289.00	7,825.00	0.00	-0.01	0.01	12.00	12.00	0.00
7,850.00	3.40	289.00	7,849.98	0.27	-0.80	0.81	12.00	12.00	0.00





## Sharewell Energy Services, LP

## Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Wasatch 13H-27-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 6046.00usft
<b>Project:</b>	Duchesne Co., UT (NAD27)	<b>MD Reference:</b>	WELL @ 6046.00usft
<b>Site:</b>	Sec.27-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	Wasatch 13H-27-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #2-Crv/Lat		
<b>Design:</b>	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,875.00	6.40	289.00	7,874.89	0.97	-2.82	2.87	12.00	12.00	0.00
7,900.00	9.40	289.00	7,899.65	2.09	-6.06	6.19	12.00	12.00	0.00
7,925.00	12.40	289.00	7,924.19	3.63	-10.53	10.75	12.00	12.00	0.00
<b>CR3</b>									
7,946.63	15.00	289.00	7,945.20	5.29	-15.38	15.69	12.00	12.00	0.00
7,950.00	15.40	289.00	7,948.46	5.58	-16.21	16.55	12.00	12.00	0.00
7,975.00	18.40	289.00	7,972.38	7.95	-23.08	23.56	12.00	12.00	0.00
8,000.00	21.40	289.00	7,995.88	10.72	-31.13	31.77	12.00	12.00	0.00
8,025.00	24.40	289.00	8,018.91	13.89	-40.33	41.16	12.00	12.00	0.00
8,050.00	27.40	289.00	8,041.39	17.44	-50.65	51.69	12.00	12.00	0.00
8,075.00	30.40	289.00	8,063.28	21.37	-62.08	63.35	12.00	12.00	0.00
8,100.00	33.40	289.00	8,084.50	25.68	-74.57	76.10	12.00	12.00	0.00
8,125.00	36.40	289.00	8,105.00	30.33	-88.09	89.90	12.00	12.00	0.00
8,150.00	39.40	289.00	8,124.72	35.33	-102.61	104.71	12.00	12.00	0.00
8,175.00	42.40	289.00	8,143.62	40.66	-118.09	120.51	12.00	12.00	0.00
8,200.00	45.40	289.00	8,161.63	46.30	-134.47	137.23	12.00	12.00	0.00
8,225.00	48.40	289.00	8,178.71	52.25	-151.73	154.84	12.00	12.00	0.00
8,250.00	51.40	289.00	8,194.81	58.47	-169.81	173.29	12.00	12.00	0.00
8,275.00	54.40	289.00	8,209.89	64.96	-188.66	192.53	12.00	12.00	0.00
8,300.00	57.40	289.00	8,223.90	71.70	-208.24	212.50	12.00	12.00	0.00
8,325.00	60.40	289.00	8,236.81	78.67	-228.47	233.16	12.00	12.00	0.00
8,350.00	63.40	289.00	8,248.58	85.85	-249.32	254.43	12.00	12.00	0.00
<b>CR4</b>									
8,370.14	65.82	289.00	8,257.22	91.77	-266.52	271.99	12.00	12.00	0.00
8,375.00	66.40	289.00	8,259.19	93.22	-270.73	276.28	12.00	12.00	0.00
8,400.00	69.40	289.00	8,268.59	100.76	-292.63	298.62	12.00	12.00	0.00
8,425.00	72.40	289.00	8,276.77	108.45	-314.96	321.42	12.00	12.00	0.00
8,450.00	75.40	289.00	8,283.70	116.27	-337.67	344.59	12.00	12.00	0.00
8,475.00	78.40	289.00	8,289.37	124.20	-360.69	368.08	12.00	12.00	0.00
8,500.00	81.40	289.00	8,293.75	132.21	-383.96	391.83	12.00	12.00	0.00
8,525.00	84.40	289.00	8,296.84	140.28	-407.41	415.76	12.00	12.00	0.00
8,550.00	87.40	289.00	8,298.62	148.40	-430.99	439.82	12.00	12.00	0.00
8,575.00	90.40	289.00	8,299.10	156.54	-454.62	463.94	12.00	12.00	0.00
<b>EOC / Start DLS 2.00° TFO -89.47</b>									
8,596.32	92.96	289.00	8,298.48	163.47	-474.76	484.50	12.00	12.00	0.00
8,600.00	92.96	288.93	8,298.29	164.67	-478.24	488.05	2.00	0.02	-2.00
8,700.00	92.98	286.92	8,293.11	195.40	-573.26	584.88	2.00	0.02	-2.00
8,800.00	92.99	284.92	8,287.90	222.80	-669.28	682.50	2.00	0.01	-2.00
8,900.00	93.00	282.92	8,282.68	246.82	-766.21	780.80	2.00	0.01	-2.00
9,000.00	93.00	280.92	8,277.44	267.44	-863.92	879.65	2.00	0.01	-2.00
9,100.00	93.01	278.91	8,272.19	284.63	-962.28	978.93	2.00	0.00	-2.00
9,200.00	93.01	276.91	8,266.95	298.38	-1,061.19	1,078.53	2.00	0.00	-2.00
9,300.00	93.00	274.91	8,261.71	308.66	-1,160.52	1,178.32	2.00	-0.01	-2.00
9,400.00	92.99	272.90	8,256.49	315.46	-1,260.14	1,278.17	2.00	-0.01	-2.00
9,500.00	92.98	270.90	8,251.28	318.78	-1,359.95	1,377.98	2.00	-0.01	-2.00
<b>Start 2510.12' hold at 9609.17 MD</b>									
9,609.17	92.96	268.72	8,245.62	318.41	-1,468.96	1,486.73	2.00	-0.02	-2.00
9,700.00	92.96	268.72	8,240.93	316.38	-1,559.65	1,577.09	0.00	0.00	0.00
9,800.00	92.96	268.72	8,235.77	314.14	-1,659.49	1,676.57	0.00	0.00	0.00
9,900.00	92.96	268.72	8,230.61	311.90	-1,759.33	1,776.05	0.00	0.00	0.00
10,000.00	92.96	268.72	8,225.44	309.66	-1,859.17	1,875.52	0.00	0.00	0.00
10,100.00	92.96	268.72	8,220.28	307.42	-1,959.02	1,975.00	0.00	0.00	0.00
10,200.00	92.96	268.72	8,215.11	305.19	-2,058.86	2,074.48	0.00	0.00	0.00



**Sharewell Energy Services, LP**  
Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Wasatch 13H-27-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 6046.00usft
<b>Project:</b>	Duchesne Co., UT (NAD27)	<b>MD Reference:</b>	WELL @ 6046.00usft
<b>Site:</b>	Sec.27-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	Wasatch 13H-27-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #2-Crv/Lat		
<b>Design:</b>	Design #2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,300.00	92.96	268.72	8,209.95	302.95	-2,158.70	2,173.96	0.00	0.00	0.00	
10,400.00	92.96	268.72	8,204.79	300.71	-2,258.54	2,273.44	0.00	0.00	0.00	
10,500.00	92.96	268.72	8,199.62	298.47	-2,358.38	2,372.91	0.00	0.00	0.00	
10,600.00	92.96	268.72	8,194.46	296.23	-2,458.22	2,472.39	0.00	0.00	0.00	
10,700.00	92.96	268.72	8,189.29	293.99	-2,558.06	2,571.87	0.00	0.00	0.00	
10,800.00	92.96	268.72	8,184.13	291.76	-2,657.91	2,671.35	0.00	0.00	0.00	
10,900.00	92.96	268.72	8,178.97	289.52	-2,757.75	2,770.82	0.00	0.00	0.00	
11,000.00	92.96	268.72	8,173.80	287.28	-2,857.59	2,870.30	0.00	0.00	0.00	
11,100.00	92.96	268.72	8,168.64	285.04	-2,957.43	2,969.78	0.00	0.00	0.00	
11,200.00	92.96	268.72	8,163.48	282.80	-3,057.27	3,069.26	0.00	0.00	0.00	
11,300.00	92.96	268.72	8,158.31	280.56	-3,157.11	3,168.73	0.00	0.00	0.00	
11,400.00	92.96	268.72	8,153.15	278.33	-3,256.95	3,268.21	0.00	0.00	0.00	
11,500.00	92.96	268.72	8,147.98	276.09	-3,356.80	3,367.69	0.00	0.00	0.00	
11,600.00	92.96	268.72	8,142.82	273.85	-3,456.64	3,467.17	0.00	0.00	0.00	
11,700.00	92.96	268.72	8,137.66	271.61	-3,556.48	3,566.64	0.00	0.00	0.00	
11,800.00	92.96	268.72	8,132.49	269.37	-3,656.32	3,666.12	0.00	0.00	0.00	
11,900.00	92.96	268.72	8,127.33	267.13	-3,756.16	3,765.60	0.00	0.00	0.00	
12,000.00	92.96	268.72	8,122.16	264.89	-3,856.00	3,865.08	0.00	0.00	0.00	
12,100.00	92.96	268.72	8,117.00	262.66	-3,955.84	3,964.55	0.00	0.00	0.00	
<b>TD at 12119.29 - 13H-27-36 BTR PBHL</b>										
12,119.29	92.96	268.72	8,116.00	262.22	-3,975.11	3,983.74	0.00	0.00	0.00	

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
13H-27-36 BTR PBHL	0.00	0.00	8,116.00	262.22	-3,975.11	676,158.203	2,263,983.920	40° 11' 9.280 N	110° 33' 18.400 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
2,800.00	2,800.00	9 5/8" Csg.	9-5/8	12-1/4	



**Sharewell Energy Services, LP**  
Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Wasatch 13H-27-36 BTR
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 6046.00usft
<b>Project:</b>	Duchesne Co., UT (NAD27)	<b>MD Reference:</b>	WELL @ 6046.00usft
<b>Site:</b>	Sec.27-T3S-R6W	<b>North Reference:</b>	True
<b>Well:</b>	Wasatch 13H-27-36 BTR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #2-Crv/Lat		
<b>Design:</b>	Design #2		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,006.00	3,006.00	Green River		-2.96	270.00	
3,846.00	3,846.00	Mahogany		-2.96	270.00	
5,096.00	5,096.00	Tgr3 Mkr		-2.96	270.00	
5,896.00	5,896.00	Douglas Creek		-2.96	270.00	
6,306.00	6,306.00	3PT Mkr.		-2.96	270.00	
6,706.00	6,706.00	Black Shale		-2.96	270.00	
6,871.00	6,871.00	Castle Peak		-2.96	270.00	
7,196.00	7,196.00	Uteland Butte		-2.96	270.00	
7,271.00	7,271.00	CR1		-2.96	270.00	
7,521.00	7,521.00	Wasatch		-2.96	270.00	
7,696.00	7,696.00	CR2		-2.96	270.00	
7,946.63	7,946.00	CR3		-2.96	270.00	
8,370.14	8,271.00	CR4		-2.96	270.00	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,821.65	7,821.65	0.00	0.00	KOP / Start Build 12.00°	
8,596.32	8,298.48	163.47	-474.76	EOC / Start DLS 2.00° TFO -89.47	
9,609.17	8,245.62	318.41	-1,468.96	Start 2510.12' hold at 9609.17 MD	
12,119.29	8,116.00	262.22	-3,975.11	TD at 12119.29	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P #273  
Submitted By Bobby Perkins Phone Number 281-833-2777  
Well Name/Number 13H-27-36 BTR  
Qtr/Qtr SE/SE Section 27 Township 3S Range 6W  
Lease Serial Number \_\_\_\_\_  
API Number 43-013-50918

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

MAY 01 2012

DIV. OF OIL, GAS & MINING

Date/Time 4-30-12 0300 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 4-30-12 1200 AM ☒ PM ☐

Remarks

Run 2800' 9 5/8, Cas, 36# ,J-55, STC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 13H-27-36 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509180000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0541 FSL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

April 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 10, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 5/3/2012

**13H-27-36 BTR (fka 16-27D-36) 4/25/2012 15:00 - 4/26/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 987.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	6.00	21:00	1	RIGUP & TEARDOWN	Rigging Down
21:00	9.00	06:00	21	Wait on Day Light	Wait On Day Light

**13H-27-36 BTR (fka 16-27D-36) 4/26/2012 06:00 - 4/27/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 987.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	Move In H&P #273	Move In H&P #273, 100% Rig Down, 90% Move. Got Mud Tanks Set, & Pumps
20:00	10.00	06:00	1	Wait On Day light	Wait On Day Light

**13H-27-36 BTR (fka 16-27D-36) 4/27/2012 06:00 - 4/28/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 987.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	21.00	03:00	1	RIGUP & TEARDOWN	MI/RU H&P 273 100% Move. 80% Rig Up Raise Derrick @ 1500 Hr. Rig Up Sub, Parts House, VFD, Gen Derrick & Floor, Spool Up Drill Line & Blocks, Pined Top Drive, Dressed Out Derrick, Filled pits, Rolled Pump, Putin Mouse, Cat Walk, Install Geronimo Line
03:00	2.00	05:00	1	RIGUP & TEARDOWN	Nipple Up Conductor, Hook Up Flow Line & Trun Buckels,
05:00	1.00	06:00	1	RIGUP & TEARDOWN	Strap & Lay Out BHA

**13H-27-36 BTR (fka 16-27D-36) 4/28/2012 06:00 - 4/29/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 987.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	20	DIRECTIONAL WORK	Accept Rig On Day work @ 0600 Hr, 4-28-12, Strap, OD, ID, & Get length On BHA, & Move tools To Cat Walk, Picking Up BHA #1 = Hughes PDC Bit, Fixed B/H "Hunting" Motor 1.5", 7/8 Lobe, 4.0 Stg. .17 Rpg. Shock Tool, 3 Pt Rmr, UBHO, NMDC, Gap Sub, NMDC, 3 Pt Rmr, XO, 2- 8" Dcs, 9 - 6.5" DC, 15 HWDP
09:00	0.50	09:30	21	Test Surface Lines	Test Surface Lines To 2500 PSI
09:30	1.00	10:30	2	DRILL ACTUAL	Tag Up @ 104' RKB, Steerable Drill 12 1/4" Surface Hole RPM On Motor 92, Steerable drilling f/ 104' To 140' (36' @ 36'/ Hr ). Wob 6k, Gpm 540, Mtr Rpm 92, Rotate 100%
10:30	1.00	11:30	7	LUBRICATE RIG	SPCC Inspection On Top Drive & Drawworks, C/O Swevel Packing
11:30	18.50	06:00	2	DRILL ACTUAL	Steerable Drilling f/ 140' To 987' ( 847' @ 45.7'/ Hr ). Wob 14 k, Gpm 473, Mtr Rpm 92,



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 13H-27-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0541 FSL 0465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509180000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/26/2012</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">Confidential Status</span>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 BBC hereby requests this well to be held in confidential status.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 May 09, 2012

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/26/2012	

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P #273  
Submitted By Jack Warr Phone Number 281-833-2777  
Well Name/Number 13H-27-36 BTR  
Qtr/Qtr SE/SE Section 27 Township 3S Range 6W  
Lease Serial Number \_\_\_\_\_  
API Number 43-013-50918

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☒ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

MAY 15 2012

DIV. OF OIL, GAS & MINING

Date/Time 5-13-12 1000 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☒ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 5-14-12 0200 AM ☒ PM ☐

Remarks

Run 8650' 7.0", Cas, 26.0# ,P-110, LTC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 13H-27-36 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013509180000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0541 FSL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2012			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

May 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 01, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A		DATE 6/1/2012

**13H-27-36 BTR (fka 16-27D-36) 5/1/2012 06:00 - 5/2/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg. Cement As Designed = Pressure Test Lines To 5000 Psi & Pump 20 bbl Water, 40 Bbl Super Flush @ 9.2 Ppg, 20 Bbl Water, Lead Cement - 460 Sx / 258.9 Bbl, Light Premium Mixed @ 11.0 Ppg, 3.16 yld, 19.48 Gps Water. Tail W/ 210 Sx / 49.7 Bbl, Premium Plus Mixed @ 14.8 Ppg, 1.33 yld, 6.31 Gps Water. Drop Top Plug & Displace w/ 214 Bbl Fresh Water. Bump Plug w/ 1330 Psi, ( 500 Psi Over ). Floats Held, 94 Bbl Cement To Surface
07:00	5.00	12:00	13	WAIT ON CEMENT	Watch To See If Cement Falls In Casing, Fell To Ground level In 3 hr, Then Fell 50 ft more
12:00	4.00	16:00	13	WAIT ON CEMENT	Wait On Cement To Check For Fallback, Cement Fell 50', Rig Up Halliburton To Do A Top Job, Pump 145 Sk
16:00	4.00	20:00	21	Weld On Head	Make Cut On Casing & Weld On 11' 5K, Cameron Well Head
20:00	3.00	23:00	14	NIPPLE UP B.O.P	Nipple Up Bop,Riser,2 Donuts Flanges, Red Spacer Spool,Nipple Up Weatherford Rt Head, & Nipple Up Expro Choke Valve
23:00	7.00	06:00	15	TEST B.O.P	Pressure Test BOPE = 250 Psi Low/ 5 Min, 5000 psi High/ 10 min, The Following. Blind Rams, Pipe Rams, Choke Line, HCR, Manual Valve, All Valves On Choke Manifold. Kill Line & Valves, Including Check Valve. Upper & Lower IBOPs, Floor Safety Valves. Pressure Test Annular To 250 psi Low/ 5 Min, 3500 Psi High/ 10 Min.

**13H-27-36 BTR (fka 16-27D-36) 5/2/2012 06:00 - 5/3/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	15	Test Casing	Test Casing @ 1500 PSI,F/30 Min, Test OK
07:00	1.00	08:00	21	Install Wear Bushing	Install Wear Bushing, & Clear Floor Of Trips Hazards
08:00	2.50	10:30	6	Pick Up Directional Tools	M/U BHA #2 = 8 3/4" PDC Bit, Motor ( Hunting 6 3/4", 1.5", 7/8 Lobe, 3.5 Stg. .15 Rpg ). 3 Pt Rmr, UBHO, NMDC, Gap Sub, NMDC, 3 Pt Rmr, 9 - 6 1/2" DCs, 30 HWDP, OAL, 1305.80'
10:30	3.00	13:30	6	TRIPS	Pick Up 15 Jt HWDP, Install Rotate Rubber, TIH
13:30	2.50	16:00	2	DRILL ACTUAL	Tag Float Collar @ 2768' Drill Cement & Float Show @ 2805 & Drill 15' New Formation To 2820, Circ and spot hi vis pill on bottom. Close annular and pressure test interval to 10.5 ppge (8.5 ppg mud with 293 psig surface pressure). Test successful held for 10 minutes
16:00	2.50	18:30	2	DRILL ACTUAL	Steerable Drilling f/ 2820' to 2980' (160' In 2.5 hr, @ 64 fph ) Wob 13 k, Rpm 45, Gpm 383, Motor 71 Rpm, SPP 850 Psi, Diff 250 Psi. XX% Slide, 100% Rotate
18:30	2.50	21:00	20	DIRECTIONAL WORK	Trouble Shoot MWD Tools, Cir & Buld Slug
21:00	1.50	22:30	6	TRIPS	TOH, To Trouble Shoot MWD Tools
22:30	0.50	23:00	20	DIRECTIONAL WORK	Pull MWD Tool Double Check & Scribe
23:00	7.00	06:00	20	DIRECTIONAL WORK	Wait On MWD Tool To Down Load & Up Load Tool,NO Success. Reprogram New Tool No Success

**13H-27-36 BTR (fka 16-27D-36) 5/3/2012 06:00 - 5/4/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	20	DIRECTIONAL WORK	Pick Up Mud Pulser Tool,& TIH to test
07:30	2.50	10:00	6	TRIPS	TIH to 2808, Sync Mud Pulser Tool @ 480' 1027,2808, & Install Rt Rubber
10:00	3.00	13:00	20	DIRECTIONAL WORK	Log Gamma F/ 2808 To 2980, @ 100 ft Hr. Syc Mud Pulse Tool @ 2858', 2876', & 2911'.
13:00	3.50	16:30	2	DRILL ACTUAL	Steerable Drill Logging Gamma f/ 2980' - 3194', ( 214' )
16:30	0.50	17:00	7	LUBRICATE RIG	Service Rig - Top Drive.
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable Drill / Log Gamma f/ 3194' to 4048', ( 854' @ 66'/ Hr Overall ) Wob 18k, Rpm 45 Rotary, 68 Motor, Gpm 450, SPP 1400 Psi, Diff 300 Psi, Avg.Rop Sliding 45' / Hr, Rotating 92'/Hr. Instantaneous @ 150'/ Hr. Slide 25%, Rotate 75%.

**13H-27-36 BTR (fka 16-27D-36) 5/4/2012 06:00 - 5/5/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 4048' To 4426' ( 378' ) Wob 18k, Rpm 40, Mtr 68, Gpm 450, SPP 1350 Psi, Diff 250 Psi.
15:00	0.50	15:30	7	LUBRICATE RIG	Service Rig
15:30	14.50	06:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 4426' to 5185' ( 759' ) Wob 18k, Rpm 45 Rotary, 68 Motor, Gpm 450, SPP 1450 Psi, Diff 300 Psi, Avg.Rop Sliding 45' / Hr, Rotating 92'/Hr. Instantaneous @ 150'/ Hr. Slide 24%, Rotate 76%.

**13H-27-36 BTR (fka 16-27D-36) 5/5/2012 06:00 - 5/6/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 5185' to 5469' ( 284' ) Wob 18k, Rpm 40 Rotary, 68 Motor, Gpm 450, SPP 1450 Psi, Diff 300 Psi, Avg.Rop Sliding 45' / Hr, Rotating 92'/Hr. Instantaneous @ 150'/ Hr. For Gamma Logging.
14:00	0.50	14:30	7	LUBRICATE RIG	Service Rig
14:30	12.00	02:30	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 5469' to 5851' ( 382' ) Wob 18k, Rpm 40 Rotary, 81 Motor, Gpm 540, SPP 2000 Psi, Diff 200 Psi, Avg.Rop Sliding 25' / Hr, Rotating 80'/Hr. Control Instantaneous @ 150'/ Hr. For Gamma Logging. Having Hard Time Maintaining Azimuth Above 300*, Sliding 50% Note; Out Of TGR# @ 5896' , Currently In Douglas Creek.
02:30	0.50	03:00	20	DIRECTIONAL WORK	Evaluate MWD Data.
03:00	3.00	06:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 5851' to 5974' ( 123' ) Increasing Slide Interval In Douglas Creek Formation To Gain Azimuth.

**13H-27-36 BTR (fka 16-27D-36) 5/6/2012 06:00 - 5/7/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 5974' to 6227' ( 253' ) Increasing Slide Interval In Douglas Creek Formation To Keep Azimuth Above 300*.
16:00	0.50	16:30	7	LUBRICATE RIG	Service Rig
16:30	13.50	06:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 6227' to 6675' ( 448' ) Wob 18k, Rpm 40 Rotary, 81 Motor, Gpm 540, SPP 2000 Psi, Diff 200 Psi, Avg.Rop Sliding 25' / Hr, Rotating 80'/Hr. Control Instantaneous @ 120'/ Hr. For Gamma Logging. Having Hard Time Maintaining Azimuth Above 300*, Sliding 50% Note; Top Of 3 Pt Marker @ 6306' ,

**13H-27-36 BTR (fka 16-27D-36) 5/7/2012 06:00 - 5/8/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 6675' to 6985' ( 310' ) Wob 18k, Rpm 45, Mtr 81, Gpm 540, SPP 2350 Psi, Diff 250. Avg 50% Slide
15:30	0.50	16:00	7	LUBRICATE RIG	Service Rig
16:00	14.00	06:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 6985' to 7375' ( 390' ) Wob 18k, Rpm 40, Mtr 81, Gpm 540, SPP 2350 Psi, Diff 250. Avg 50% Slide, Lost Partial Returns @ 7048', Pump 10 Bbl / 20% LCM Sweep & Regained Full Returns. Lost 47 Bbl Mud. Reduce Flow Rate To 450 Gpm & Holding, Bring Gpm Up To 540 & Holding. Slide 57%, Rotate 43% To Control Azimuth.

**13H-27-36 BTR (fka 16-27D-36) 5/8/2012 06:00 - 5/9/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 7375' to 7554' ( 179' ) Wob 18k, Rpm 45, Mtr 81, Gpm 540, SPP 2350 Psi, Diff 250. Avg 50% Slide
14:00	0.50	14:30	7	LUBRICATE RIG	Service Rig
14:30	6.00	20:30	2	DRILL ACTUAL	Steerable Drill/ Log Gamma f/ 7554' to 7765' ( 211' ) Wob 18k, Rpm 45, Mtr 81, Gpm 540, SPP 2350 Psi, Diff 250. Avg 50% Slide To 7550' Then Rotate out Last 180' To 7765'. Log Top Of CR_2 @ 7712'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
20:30	2.00	22:30	5	COND MUD & CIRC	Sweep Hole & Circ & Cond. Flow Check Neg. Slug DP.
22:30	7.50	06:00	6	TRIPS	TOH, SLM - Check For Swab Negative, Fill Hole After 5 Stds. TOH Looked Good To 3942', Had To Kelly Up & Ream Thru Tight Spots @ 3942 & 3872', Otherwise Good Hole Conditions.

**13H-27-36 BTR (fka 16-27D-36) 5/9/2012 06:00 - 5/10/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	20	DIRECTIONAL WORK	Lay Down Bha & Directional Tools. SLM = 7660.35' No Correction Made.
07:30	2.50	10:00	20	DIRECTIONAL WORK	Pick Up BHA # 3 ( Curve Bldg Assy ).= Tri Cone Bit, Motor, 2.25" Fixed, 5/6 lobe, 5.0 Stg. .29 RPG. Pony Non Mag Flex Collar, UBHO, MWD Pulse Tool, Non Mag Flex Collar, 30 Jts Dp Push Pipe, 30 Jts HWDP, OAL 1967.41'
10:00	6.00	16:00	6	TRIPS	TIH sync Tool @ 3000', Wash F/ 7747' To Btm @ 7765'
16:00	1.50	17:30	2	DRILL ACTUAL	Rotary Drill F/ 7765' To K.O.P. @ 7800'.
17:30	12.50	06:00	2	DRILL ACTUAL	K.O.P. 7800' - Build Curve f/ 7800' to 7989' ( 189' ) Wob 25k, Rotary Rpm 20, Gpm 540, Motor Rpm 156, SPP 2400 Psi, Avg Rop 17' Hr.Sliding. Currently Sliding 15' Per Joint. Overall Slide 64%, Rotate 36%. Current Build Rate 10.7*/100'

**13H-27-36 BTR (fka 16-27D-36) 5/10/2012 06:00 - 5/11/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	2	DRILL ACTUAL	Build Curve For Lateral f/ 7989' to 8126' ( 137' ) Wob 25k, Rpm Rotary Mode 20, Gpm 540, Mtr Rpm 156, SPP 2450 Psi, Diff 200 Psi.
14:30	0.50	15:00	7	LUBRICATE RIG	Service Rig
15:00	15.00	06:00	2	DRILL ACTUAL	Build Curve f/ 8126' to 8335' ( 209' ). Wob 25k, Rpm 20 in Rotary Mode, Mtr 156 w/ 540 Gpm, SPP 2450 Psi. Build Rates Fluctuating F/ 10*/100' To 8.5*/ 100'. Increased Slides F/ 18' Per Jt To 100% Slide In Response. Regained 13*/ 100' Note Last Survey = 8252', 49.1* Inc, 289 AZ. ( 12.94* Build ) Need 13.02*/ 100 To Objective, 8300' TVD @ 92.9*

**13H-27-36 BTR (fka 16-27D-36) 5/11/2012 06:00 - 5/12/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Build Curve For Lateral f/ 8335' to 8504' ( 169' ).
17:00	0.50	17:30	7	LUBRICATE RIG	Service Rig.
17:30	8.00	01:30	2	DRILL ACTUAL	Build Curve For Lateral f/ 8504' to 8660' ( 156' ).  Projection To Bit = 8660' MD, 8302.5' TVD, 90.4* Inc, 288.35 AZ. Last Survey = 8598', INC 87.1*, AZ 287.7*
01:30	1.50	03:00	5	COND MUD & CIRC	Sweep Hole & Circ Clean. P/U 201 k, S/O 163 k, Rot Wt 176 k
03:00	3.00	06:00	6	TRIPS	Short Trip 10 Stds to 7740' ( KOP 7800' ). Max Overpull @ 8260' - 8267' 140 k. Had To Wash Thru In Slide Mode On Trip Back In.

**13H-27-36 BTR (fka 16-27D-36) 5/12/2012 06:00 - 5/13/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	Wash Thru Tight Spots @ 8260' & 8311' Sweep Hole, TIH To Btm @ 8660 MTD Of 7" Csg Landing Point.
09:00	2.00	11:00	5	COND MUD & CIRC	Pump Low/ High Visc Sweep & Circ Clean.
11:00	5.00	16:00	6	TRIPS	TOH ( SLM ) = 8660.35', One Tight Spot @ 8311' to 8325' Pulled 140 K Over. Otherwise Good Hole Conds.
16:00	2.00	18:00	20	DIRECTIONAL WORK	L/D All Directional Tools. Clear Rig Floor Work Area.
18:00	6.00	00:00	6	TRIPS	M/U Mill Assy = 8 5/8" Bull Nose Hole Opener, Bit Sub w/ Float, 1 Jt HWDP, 8 5/8" String Mill, 10 Stds DP, 10 Stds HWDP, TIH To KOP @ 7800', Break Circ & Clear DP.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	2.00	02:00	3	REAMING	Circ & Wipe Hole F/ 7800' To 8200', Good Hole Conds, No Rotation. Began Rotation Rmg F/ 8200 to 8400'. ( Repeatedly Rotary Rmg @ 8260' -8270' & 8310' to 8340' ). Wash To Btm w/ Good Hole Conds f/ 8400' to 8660' MTD Of 8 3/4" Intermediate Hole. Trip Gas @ 1000 u.
02:00	2.50	04:30	5	COND MUD & CIRC	Pump Low/ High visc Sweep, Circ & Cond Level Off Visc @ 50 sec/qt. Spot 5 Bags Of Drill Beads in Curve Annulas.
04:30	1.50	06:00	6	TRIPS	Flow Check Negative. TOH Tight spot @ 8340' Back Ream Thru.

**13H-27-36 BTR (fka 16-27D-36) 5/13/2012 06:00 - 5/14/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	6	TRIPS	TOH To 100' Above K.O.P. Pulled Tight @ 8340' - 8310', & 8275' - 8250'. Had To Back Ream & Ream To Clean Up. Still Pulling 100 k Over.
08:30	3.50	12:00	21	Lay Down Drill Pipe	Confer w/ Management. Lay Down Contractors 4 1/2" Drill Pipe To 3959'
12:00	0.50	12:30	7	LUBRICATE RIG	Service Rig
12:30	7.50	20:00	21	Lay Down Drill Pipe	Lay Down DP BHA & 9 6 1/2" DCs From Derrick. PULL WEAR BUSHING.
20:00	2.00	22:00	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg, R/U Franks Westates Casing Tools & Fill Tool.
22:00	8.00	06:00	12	RUN CASING & CEMENT	Run 7", 26.0#, P-110, LTC, Intermediate Casing = Float Shoe, 2 Jts Csg, Float Collar, Pump Thru Shoe Track O.K. Run Casing, Fill On The Fly, Break Circ Every 25 Jts. 85 Jts Ran = 3700'

**13H-27-36 BTR (fka 16-27D-36) 5/14/2012 06:00 - 5/15/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	12	RUN CASING & CEMENT	Run 7", 26.0#, P-110, LTC Intermediate Csg, Filling On The Fly, Break Circ Every 25 Joints. Circ & Work Csg Thru "Curve" To 8650' ( 10' Rathole ). Hang Casing In Wellhead Using Cameron C-9 Mandrel Hanger.
16:30	1.00	17:30	5	COND MUD & CIRC	Circ While R/D Casing Running Tools.
17:30	2.00	19:30	5	COND MUD & CIRC	Install Halliburton Cement Head & Lines - Circ Well, Lower Visc To 45 Sec/ Qt.
19:30	4.50	00:00	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg w/ All personel, Pressure Test Lines To 5000 Psi, Cement Csg As Follows = 10 Bbl Water, 40 Bbl Super Flush @ 10.0 Ppg, 10 Bbl Water Ahead of, 585 Sx Tuned Light Lead Cement Mixed @ 11.0 Ppg, 2.32 Yld, 10.63 Gps Water. Tail w/ 350 Sx ,89 Bbl Poz Premium Mixed @ 13.5 Ppg, 1.42 yld, 6.61 Gps Water. Drop Plug & Displace w/ 327 Bbl 9.3+ Water Base Mud. Bumped Plug w/ 1000 Psi over= 2400 Psi,@ 23:00 Hr. Floats Held. Super Flush Back To Surface w/ Poly Flake In It. No Cement To Surface. Flush BOP Stack & R/D Halliburton.
00:00	1.50	01:30	21	Install Cameron Packoff Bit Guide	Install Cameron IC 9 Pack-Off Wear Bushing & Secure w/ Lock Down Pins.
01:30	2.00	03:30	14	NIPPLE UP B.O.P	Change Out 4 1/2" Pipe Rams For 4" Pipe Rams. Replace Choke Line Valve To Pressure Sensor.
03:30	2.50	06:00	15	TEST B.O.P	Pressure Test, 4" Pipe Rams & Choke Line Valve Replaced @ 250 Psi Low/ 5 Min, & 5000 Psi High/ 10 Min.

**13H-27-36 BTR (fka 16-27D-36) 5/15/2012 06:00 - 5/16/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	15	TEST B.O.P	Replace Ram Door Seals On BOP. Pressure Test 250 low 5 min / 5000Psi High 10 min. O K. R/D A-1 Testing.
08:30	1.00	09:30	21	C/O Saver Sub On Top Drive	Change Out Saver Sub On Top Drive To XT-39 ( Short Pin For DP Screens ). P/U Bales & Elevators.
09:30	0.50	10:00	7	LUBRICATE RIG	SErvice Rig Change Oil In Top Drive.
10:00	1.50	11:30	9	CUT OFF DRILL LINE	Cut & Slip Drilling Line.
11:30	2.00	13:30	20	DIRECTIONAL WORK	M/U BHA = 6 1/8" PDC Bit, Mud Motor, Pony NMDC, UBHO, MWD, NMDC, XO. Scribe Motor Assy.
13:30	12.50	02:00	22	P/U Rental DP	P/U Thomas Tools 4", 14.0#, XT-39 Rental String. Fill Every 30 Jts. To 8489'. R/D Franks Westates P/U Machine. Getting Mwd Pulses When Circ Afer Filling DP.
02:00	0.50	02:30	23	PRESSURE TEST CSG	Break Circ. Close Rams & Pressure Test Csg = 250 low/ 5 min, 2000 psi High 30 Minutes. Held Good Leak Off =15 Psi

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
02:30	2.00	04:30	20	DIRECTIONAL WORK	Circ Down & Tag Float Collar @ 8558'. TroubleShoot MWD No signal.
04:30	0.50	05:00	6	TRIPS	Pull 9 Stds To Vertical Section
05:00	1.00	06:00	20	DIRECTIONAL WORK	Trouble Shoot MWD No Success. Pump Slug f/ TOH.

**13H-27-36 BTR (fka 16-27D-36) 5/16/2012 06:00 - 5/17/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	20	DIRECTIONAL WORK	Trouble Shoot MWD In Vertical Section @ 7750', No Success.
07:00	4.50	11:30	6	TRIPS	TOH - Funtion Blind Rams.
11:30	4.00	15:30	20	DIRECTIONAL WORK	Lay Down MWD, Build & Surface Test New MWD, Install Scribe Tools & Shallow Test "Good".
15:30	0.50	16:00	7	LUBRICATE RIG	Service Rig
16:00	6.00	22:00	6	TRIPS	TIH filling Break Circ & Check Tool Every 1500', Taking Check Shot Surveys. To Float Collar @ 8556'.
22:00	1.00	23:00	21	DRILLING CEMENT	Drill Float & Cement To Shoe@ 8650'.
23:00	0.50	23:30	22	Well Control OPs Review	Held Pre Drill-Out Well Control Operations Review W/ Rig Personel, Update Doghouse Kill Sheet Board. Get P/U, S/O & Rot Wt. & Slow Pump Rates Recorded.
23:30	0.50	00:00	21	DRILL SHOE / Cement R/H	Drill Out Shoe @ 8650' & RatHole Cement To 8660'. BOP Drill Function Annular.
00:00	6.00	06:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 8660' To 8780' ( 120' ). Wob 10-15 k, Gpm 280, Motor Rpm 285, ( Motor RPG = 1.02 RPG ) SPP 2250 psi, Diff @ 250 psi.  Slide 50%, Rotate 50%

**13H-27-36 BTR (fka 16-27D-36) 5/17/2012 06:00 - 5/18/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 8780' To 8965' ( 185' @ 20.5 Ft hr ). Wob 10-15 k, Gpm 292, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 2989 psi, Diff @ 576 psi.
15:00	0.50	15:30	7	LUBRICATE RIG	Rig Service
15:30	14.50	06:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 8965' To 9722' ( 942' @ 64.9 ft hr ). Wob 10-15 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 2968 psi, Diff @ 550 psi.  Slide 46%, Rotate 54 %

**13H-27-36 BTR (fka 16-27D-36) 5/18/2012 06:00 - 5/19/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 9722' To 10006' ( 284' @ 24.6 ft hr ). Wob 10-17 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3167 psi, Diff @ 350 psi
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service
18:00	12.00	06:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 10006' To 10511' ( 505' @ 42.0 ft hr ). Wob 10-17 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ 350 psi.  Slide 37 %, Rotate 63 %

**13H-27-36 BTR (fka 16-27D-36) 5/19/2012 06:00 - 5/20/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 10511' To 10859' ( 348' @ 58 ft hr). Wob 10-17 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ 450 psi.  Slide XX %, Rotate XX %
12:00	0.50	12:30	7	LUBRICATE RIG	Rig Service
12:30	3.50	16:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 10859' To 11143' ( 284' @ 81.1 ft hr). Wob 10-17 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ 450 psi.
16:00	1.00	17:00	5	CIRC	Circulate & Clean Hole
17:00	1.50	18:30	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 11143' To 11170' ( 27' @ ft hr). Wob 10-17 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ 450 psi.  Slide XX %, Rotate XX %
18:30	5.00	23:30	5	COND MUD & CIRC	Work Pipe & Pump Sweeps To Cleal Hole
23:30	6.50	06:00	6	TRIPS	Pump Slug, Check For Flow & TOOHLay Down MWD Tool & Mud Motor

**13H-27-36 BTR (fka 16-27D-36) 5/20/2012 06:00 - 5/21/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	20	DIRECTIONAL WORK	Lay Down Mud Motor & Pick Up New Motor & Bit,Scribe in,P/U Monel & Surface Test MWD Tools
08:30	2.50	11:00	6	TRIPS	Install Rotating Rubber & TIH To 5840
11:00	0.50	11:30	5	COND MUD & CIRC	Fill Pipe & Test MWD Tools
11:30	1.00	12:30	6	TRIPS	TIH 5840' To 7733'
12:30	0.50	13:00	5	COND MUD & CIRC	Fill Pipe & Test MWD Tool
13:00	2.00	15:00	6	TRIPS	TIH 7733 To 10543
15:00	12.50	03:30	3	REAMING	Work Tight Hole F/ 10543 To 9634,Could Not Go Down, Reaming Pipe Out Of Hole, Hole Was Packing Off, All We Could Get Was 40 -70 On Rt, 25 stk On Mud Pumps,Keep Staling The Top Drive Out, @ 15 - 17 K On Torque,Had to Work Pipe Little @ A Time & Racking Back Stands Of Pipe
03:30	2.50	06:00	5	COND MUD & CIRC	Pipe Came Free , Pumping @ 65 stk 292 gpm, Rt @ 30 -50 , tq Down to 4 k, Bring Rt Up When We Can, Pump 20 bbl Sweep @ 0515 To Clean Hole

**13H-27-36 BTR (fka 16-27D-36) 5/21/2012 06:00 - 5/22/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	3	REAMING	Pumping @ 65 stk 292 gpm, Rt @ 60 To 70 , tq Down to 4/8 k, Pump 20 bbl Sweep Every Other std,Pumping Poly Sweeps Down Drill Pipe Every Std
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service
18:00	12.00	06:00	3	REAMING	Pumping @ 65 stk 292 gpm, Rt @ 60 To 70 , tq Down to 4/8 k, Pump 20 bbl Sweep Every Other std,Pumping Poly Sweeps Down Drill Pipe Every Std, @ 10600' To 10764' Torque Started Getting Bad,Went F 6 k To 18 k, Pump Presser Was Climing Up To 3800 PSI & Diff Goes To 650 To 1000 PSI,

**13H-27-36 BTR (fka 16-27D-36) 5/22/2012 06:00 - 5/23/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	3	REAMING	Pumping @ 65 stk 292 gpm, Rt @ 60 To 70 , tq Down to 4/8 k, Pump 20 bbl Sweep Every Other std,Pumping Poly Sweeps Down Drill Pipe Every Std, @ 10600' To 10764' Torque Started Getting Bad,Went F 6 k To 18 k, Pump Presser Was Climing Up To 3800 PSI & Diff Goes To 650 To 1000 PSI,
15:00	0.50	15:30	7	LUBRICATE RIG	Rig Service
15:30	0.50	16:00	3	REAMING	Wash & Ream 11143 To 11170
16:00	1.00	17:00	5	COND MUD & CIRC	Cir Sweep Out Of Hole

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 11170' To 11443' ( 273' @ 21 ft hr). Wob 12-14 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ 450 psi.  Slide 63 %, Rotate 37 %

**13H-27-36 BTR (fka 16-27D-36) 5/23/2012 06:00 - 5/24/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 11443' To 11453' ( 10' @ ft hr). Wob 12-14 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ psi.  Slide XX %, Rotate XX %
08:30	2.50	11:00	6	TRIPS	Wiper Trip 11453 To 11143
11:00	0.50	11:30	5	COND MUD & CIRC	Finish Pumping Sweep Out
11:30	7.00	18:30	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 11453' To 11617' (164' @ 23.4 ft hr). Wob 12-14 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ psi.  Slide XX %, Rotate XX %
18:30	0.50	19:00	7	LUBRICATE RIG	Rig Service
19:00	2.00	21:00	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 11617' To 11711' (94' @ 37.6 ft hr). Wob 12-14 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ psi.
21:00	1.50	22:30	21	Lay Down 2 Joints DP	Lay Down 2 Joints DP
22:30	6.00	04:30	2	DRILL ACTUAL	Steerable Drill 6 1/8" Prod. Lateral f/ 11711' To 12092' ( 381' @ 63.5 ft hr). Wob 12-14 k, Gpm 298, Motor Rpm 297, ( Motor RPG = 1.02 RPG ) SPP 3185 psi, Diff @ psi.  Slide 54 %, Rotate 46 %
04:30	1.50	06:00	5	COND MUD & CIRC	Pump Sweep & Clean Hole To TOH

**13H-27-36 BTR (fka 16-27D-36) 5/24/2012 06:00 - 5/25/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	Pumping Sweeps, & Cleaning Hole, Working pipe.
09:00	9.00	18:00	6	TRIPS	POOH Had Some Drag,,String Wt when Circ & Rotating 145.000,P/UP Wt W/OUT Cir 245.000. Came Off Bottom Slow & Easy All Good, One Little Spot Were It Got Sticky, @ 9800, Work Through Tight Spot Ok, TOH To Top Of Curve, Pump Slug & TOH To BHA
18:00	1.50	19:30	6	TRIPS	Lay Down Directional Tools,Break The Bit Off & Lay Down Mud Motor
19:30	2.00	21:30	6	TRIPS	Strap New BHA Reamer Assembly
21:30	5.00	02:30	6	TRIPS	Install Rotating Head & TIH To 2950' & 7800', Fill Pipe & Get String Wt, 142000 TIH To 8851' No Problems Through Curve
02:30	3.50	06:00	3	REAMING	Wash & Ream With ( 5-7K , WT, 80 RT, 360 GPM, Torque @ 7-10K, Ream 8851 To 9703

**13H-27-36 BTR (fka 16-27D-36) 5/25/2012 06:00 - 5/26/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	3	REAMING	Wash & Ream With ( 5-7K , WT, 80 RT, 360 GPM, Torque @ 7-10K, Ream 9703 To 10745
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	3	REAMING	Wash & Ream With ( 3-7K , WT, 80 RT, 405 GPM, Torque @ 7-17K, Ream 10745 To 11596, Torque Has Been Getting Bad Closer To The End, Having To Ream Back Through Bad Spots More

**13H-27-36 BTR (fka 16-27D-36) 5/26/2012 06:00 - 5/27/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	3	REAMING	Wash & Ream With ( 3-7K , WT, 80 RT, 405 GPM, Torque @ 7-17K, Ream 11597 To 12092, Torque Has Been Getting Bad Closer To The End, Having To Ream Back Through Bad Spots More
14:00	5.00	19:00	5	COND MUD & CIRC	Circulate & Clean Hole,Circulate Sweeps Out Hole,405 GPM, 80 Rt,5-10K Torque,
19:00	8.50	03:30	6	TRIPS	TOOH 12072 To 8377, Break Circ & Pump Slug @ 8377' TOH.Pull Rt Head Rubber, Rack Back Reamer Stand
03:30	2.50	06:00	11	WIRELINE LOGS	Have Pre Job Saftey Meeting With Weatherford & Crew, R/U Logging Tools & Pick Up 4 Joints Of Pipe & Barrel For Logging Tool.

**13H-27-36 BTR (fka 16-27D-36) 5/27/2012 06:00 - 5/28/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	11	LOGS On DP	Have Pre Job Saftey Meeting With Weatherford & Crew, R/U Logging Tools & Pick Up 4 Joints Of Pipe & Barrel For Logging Tool.
07:30	6.00	13:30	6	TRIPS	TIH With Logging Tools & Drill Pipe,Install Rt Head Rubber,TIH To 5580' Fill Pipe.
13:30	0.50	14:00	7	LUBRICATE RIG	Rig Service
14:00	9.50	23:30	6	TRIPS	TIH,5580 To 8576' Fill Pipe @ Bottom Of Curve, TIH To 12092 Filing Pipe When Needed To
23:30	1.50	01:00	11	LOGS	Pull 120' Off Bottom & Drop Loggers Dart, Circ To Deploy Tool & Circ, Bottom Up
01:00	5.00	06:00	11	LOGS	TOOH W/ Logging Tool , Logging @ 15' FPH, 11977 To 10609, Break Circ & Work Tight Spot @ 10609. Logging 10609 To 9057

**13H-27-36 BTR (fka 16-27D-36) 5/28/2012 06:00 - 5/29/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	11	LOGS	Logging 8956' To 8392
07:00	0.50	07:30	7	LUBRICATE RIG	Rig Service
07:30	1.50	09:00	5	COND MUD & CIRC	Cir & Clean Hole, Mix & Pump Slug
09:00	3.50	12:30	6	TRIPS	TOOH, Pull Rt Head Rubber
12:30	2.50	15:00	11	LOGS	Safety Meeting W/Weatherford, Pull Sources & R/D Logging Tools
15:00	1.00	16:00	6	TRIPS	Make Up Reamer Assembly TIH,Break Bit, Check Float, M/U Bit,Guage Bit,Reamers & Lay Down top Reamer
16:00	4.50	20:30	6	TRIPS	TIH 74 To 832, Install Rt Head Rubber, TIH To 8748, Filling Pipe @ 5210 & 8748
20:30	9.50	06:00	3	REAMING	Wash & Ream 8748 To 9411, Wt 3-7, Rt 80, 405 GPM, Torque 4-12 K,

**13H-27-36 BTR (fka 16-27D-36) 5/29/2012 06:00 - 5/30/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	5	COND MUD & CIRC	Hole Packing Off, Pump Sweep & Clean Hole, Work Pipe 9317 To 9411
07:30	10.00	17:30	3	REAMING	Wash & Ream 9411 To 10832, Wt 3-7, Rt 80, 405 GPM, Torque 4-12 K,
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service
18:00	0.50	18:30	5	COND MUD & CIRC	Circulate Sweep Out Hole
18:30	1.00	19:30	3	REAMING	Wash & Ream 10832 To 11164, Wt 3-7, Rt 80, 405 GPM, Torque 4-12 K,
19:30	2.00	21:30	3	REAMING	Hole Pack Off, Could Not Pump,Work Pipe, Rack Back 1 Std, Pull 30 more Feet, Began To Circulate, & Rt Pipe,Broke Free & Circulate & Pump Sweep @ 11099'
21:30	3.00	00:30	5	COND MUD & CIRC	Circulate ,Pump Sweep To Clean Hole, Work Pipe, Rt 65, 314 GPM, Torque 6 9 k,
00:30	3.50	04:00	3	REAMING	Wash & Ream 11099 To 11590, Wt 3-7, Rt 80, 405 GPM, Torque 4-12 K,
04:00	2.00	06:00	5	COND MUD & CIRC	Hole Packing Off,Torque Up To 13-16k, Circulate

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P #273  
Submitted By Jack Warr Phone Number 281-833-2777  
Well Name/Number 13H-27-36 BTR  
Qtr/Qtr SE/SE Section 27 Township 3S Range 6W  
Lease Serial Number \_\_\_\_\_  
API Number 43-013-50918

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☒ Liner
- ☐ Other

Date/Time 6-1-12 600 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

JUN 01 2012

DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ -12 \_\_\_\_\_ 0000 AM ☐ PM ☐

Remarks

Run 4407' 4 1/2", 11.60# ,P-110, LTC Prod Liner - MTD 12092'



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 13H-27-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0541 FSL 0465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509180000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. June 2012 monthly drilling activity report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> July 03, 2012		
<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/3/2012	

**13H-27-36 BTR (fka 16-27D-36) 6/1/2012 06:00 - 6/2/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	12	RUN CASING & CEMENT	Cement 4 1/2" 11.6#, P-110, LTC, Prod. Liner @12080' Btm, TOL @ 7646'. = Cement Liner = Held Pre-Job Safety Mtg w/ All Personnel, Pressure Test Lines To 9500 Psi. Pump 5 bbl Water, 80 Bbl TUNED Spacer @ 12.0 Ppg, Ahead Of 700 Sx/ 157 Bbl Of EXPANDACEM Mixed @ 14.0 Ppg, 1.26 Yld, 5.4 Gps Water. @ 4 Bbl / Min. Displace Liner w/ 68 Bbl Fresh Water w/ Biocide, & 9.6 Ppg Mud f/ TOL @ 7646' to Surface. Bumped Plug w/ 1250 Psi Over, Final Lift Pressure 1719 Psi =3000 Psi. Floats Held, Bled Back 1.5 Bbl. CIP @ 07:35, 6/1/12.
07:30	5.00	12:30	12	RUN CASING & CEMENT	Drop 1.876" Ball & Pressure Up to Shear Disc, Rupture @ 5480 Psi. Pump Ball To Seat @ 3 BPM, Slow Rate To .5 BPM To Expand Liner Hanger, Seen 2 Spikes 5300 Psi & 4400 Psi Bled Off Pressure. Pull Test w/ 100 k Tension to Confirm Hanger Is Set. Slack Off & put 50 k Down To Release Collets From Liner Hanger. P/U 26' Liner Setting Tool Free. Circ The Long Way w/ 1.5 x Annular Volume Using 9.6 Ppg Mud. Recovered 80 Bbl Spacer & 8 Bbl Cement. Shut Down Close Annular & Pressure test Positive 3000 Psi / 15 Minutes." Good". Bled Off Pressure, Open Annular & Displace Drilling Mud From Well w/ Fresh Water. Circ Until Clean. Flow Check Negative. ( Neg. Test ) Monitor Well For Flow While R/D Cement Equipment & lines.
12:30	0.50	13:00	7	LUBRICATE RIG	Service Rig, Monitor Well.
13:00	17.00	06:00	21	LAY DOWN DRILL PIPE	Monitor Well, No Flow. Held Pre-Job safety Mtg w/ All Personnel, R/U Franks Westates L/D Machine & Lay Down Rental 4" Drill Pipe & Halliburton Liner Hanger Setting Tool. Breaking Hard 40 k Torque To Break, Having Trouble w/ SC-80 Hydraulic Leak At High Torques. TIH w/ DP From Derrick & L/D Same.

**13H-27-36 BTR (fka 16-27D-36) 6/2/2012 06:00 - 6/3/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	21	LAY DOWN DRILL PIPE	Lay Down 4" Rental DP, R/D Franks Lay down Machine.
08:30	2.00	10:30	14	NIPPLE DOWN B.O.P	Nipple Down BOP & Rack Back.
10:30	1.50	12:00	21	INSTALL WELLHEAD CAP	Cameron Pulled Pack- Off Bushing & Install Night Cap On Wellhead. Mud Tanks Are Clean.  RELEASE RIG FROM DAYWORK @ 12:00 NOON, 6/2/12. LAST DRILLING REPORT.

**13H-27-36 BTR (fka 16-27D-36) 6/4/2012 06:00 - 6/5/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Level Location. BackFill Cellar. Set Tbg. Head.

**13H-27-36 BTR (fka 16-27D-36) 6/5/2012 06:00 - 6/6/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**13H-27-36 BTR (fka 16-27D-36) 6/6/2012 06:00 - 6/7/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Construction Crews continue to work on production facility

**13H-27-36 BTR (fka 16-27D-36) 6/7/2012 06:00 - 6/8/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	LOCL	Lock Wellhead & Secure	Well Shut in and secured. SLB Wireline crew did not leave the Vernal yard until 09:00 am.
10:30	2.50	13:00	SRIG	Rig Up/Down	MIRU SLB Wire line & Well Tec, N/U wireline adapter & grease head. MU SLB Logging Tools, GR/CBL/CCL/ TEMP/ & Well Tec tractor tool. Checked Communication on tools. P/U logging assembly & Tractor Guide.
13:00	1.25	14:15	WLWK	Wireline	RIH with logging tools to 4.5" liner top @ 7646'. Power on logging tools & Tractor. Con't to RIH with logging tools, Tagged @ 11,888', Pulled tools up 100', RIH re-tagged PBTD at the same depth. 11,888'. Completed Tie in, Applied 1000 psi to casing. Started logging out @ 60' fpm. Good Cement Bond from PBTD to tie back sleeve.
14:15	3.25	17:30	LOGG	Logging	Logged 4.5" casing Section From 11,888' to 7646' to Tie Back Receptacle.
17:30	1.00	18:30	WLWK	Wireline	Pooh With logging tools, L/D Hyd -Tractor tools. P/up CBL centralizer for 7" casing.
18:30	2.75	21:15	WLWK	Wireline	RIH with CBL/GR/CCL to Tie Back Receptacle @ 7646'. Applied 1000 psi, Start logging from 7646' to surface, Est Cement top @ 900', good cement bond throughout the whole well bore. Bled off pressure.
21:15	1.00	22:15	SRIG	Rig Up/Down	L/D Logging tools, N/D wireline adapter, N/U 4 1/16' night cap. secured well head. Moved SLB off location.

**13H-27-36 BTR (fka 16-27D-36) 6/8/2012 06:00 - 6/9/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction Crews con't to build production facility. Installing Elpaso Gas line.

**13H-27-36 BTR (fka 16-27D-36) 6/10/2012 06:00 - 6/11/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	LOCL	Lock Wellhead & Secure	WSI.
14:00	2.00	16:00	SRIG	Rig Up/Down	MIRU w/o Rig.
16:00	1.00	17:00	SRIG	Rig Up/Down	RU Work floor.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI. SDFN.

**13H-27-36 BTR (fka 16-27D-36) 6/11/2012 06:00 - 6/12/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com																																																																																																																																
07:30	4.00	11:30	RUTB	Run Tubing	PU Seal Assembly, PU 4.5" P110 Frac string, Space out hanger. Land frac string as follows w/35k down: Casing Csg Des: Frac Liner      Set Depth (ftKB): 7,670.8      Run Date: 2012/06/11 06:00 Tension (kips):  Casing Components  <table><tr><td>Item Des</td><td>OD (in)</td><td>ID (in)</td><td>Wt (lb/ft)</td><td>Grade</td><td>Len (ft)</td><td>Jts</td><td>Top</td></tr><tr><td>(ftKB) Btm (ftKB)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Depth Correction</td><td></td><td>0</td><td>0</td><td></td><td>16</td><td>1</td><td>-16</td></tr><tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Casing Hanger</td><td>4 1/2</td><td>4</td><td></td><td>0.89</td><td>1</td><td></td><td>0 0.9</td></tr><tr><td>Casing Pup Joint</td><td></td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>4.6</td><td>1 0.9</td></tr><tr><td>5.5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Casing Joints</td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>42.41</td><td>1</td><td>5.5 47.9</td></tr><tr><td>Casing Pup Joint</td><td></td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>15.2</td><td>2 47.9</td></tr><tr><td>63.1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Casing Joints</td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>7,600.34</td><td></td><td>179 63.1</td></tr><tr><td>7,663.40</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Casing Pup Joint</td><td></td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>6.2</td><td>1</td></tr><tr><td>7,663.40</td><td></td><td></td><td>7,669.60</td><td></td><td></td><td></td><td></td></tr><tr><td>Seal Assembly</td><td>4 1/2</td><td>4</td><td></td><td>1.2</td><td>1</td><td></td><td>7,669.60</td></tr><tr><td>7,670.80</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top	(ftKB) Btm (ftKB)								Depth Correction		0	0		16	1	-16	0								Casing Hanger	4 1/2	4		0.89	1		0 0.9	Casing Pup Joint		4 1/2	4	11.6	P-110	4.6	1 0.9	5.5								Casing Joints	4 1/2	4	11.6	P-110	42.41	1	5.5 47.9	Casing Pup Joint		4 1/2	4	11.6	P-110	15.2	2 47.9	63.1								Casing Joints	4 1/2	4	11.6	P-110	7,600.34		179 63.1	7,663.40								Casing Pup Joint		4 1/2	4	11.6	P-110	6.2	1	7,663.40			7,669.60					Seal Assembly	4 1/2	4		1.2	1		7,669.60	7,670.80							
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11:30	1.00	12:30	SRIG	Rig Up/Down	RD Csg. Crew, & work floor.																																																																																																																																
12:30	0.50	13:00	PTST	Pressure Test	Pressure test to 1000# for 15 min. held good.																																																																																																																																
13:00	1.50	14:30	BOPR	Remove BOP's	ND BOP, NU Frac Tree & Test Seal.																																																																																																																																
14:30	1.00	15:30	SRIG	Rig Up/Down	RDMO w/o rig, Cont. Bulid production facility																																																																																																																																
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WSI.																																																																																																																																

**13H-27-36 BTR (fka 16-27D-36) 6/12/2012 06:00 - 6/13/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well head shut in and secured. Set 10 BBC Frac tanks.

**13H-27-36 BTR (fka 16-27D-36) 6/12/2012 06:00 - 6/13/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	0.50	08:00	GOP	General Operations	NU Frac Tree.
08:00	1.00	09:00	SRIG	Rig Up/Down	RDMO w/o Rig.
09:00	4.00	13:00	GOP	General Operations	Spot Frac tanks.
13:00	9.00	22:00	SRIG	Rig Up/Down	Cont. to build production facility.
22:00	8.00	06:00	LOCL	Lock Wellhead & Secure	WSI.

**13H-27-36 BTR (fka 16-27D-36) 6/13/2012 06:00 - 6/14/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Cleaned 10 BBC frac tanks and start filling tanks with 3% KCL. Prepping location for Frac.

**13H-27-36 BTR (fka 16-27D-36) 6/14/2012 06:00 - 6/15/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	GOP	General Operations	Moved In BBC Frac Tanks. Hauled in Frac water. Construction crews continued to work on production facility.
12:00	2.00	14:00	DTIM	Downtime	MIRU HES acid pumper. R/up 10k hard line to Frac tree and Casing Back Side. Pump Crew had to wait 2hrs for Well site supervisor to arrive on location
14:00	1.50	15:30	GOP	General Operations	Safety meeting with pump crew. Pressure tested treating iron to 10K, Establish good test. Bled off pressure. Applied 1500 psi to 7' Casing, Closed HES valve and monitor back side pressure @ 1500. Open Frac tree. 22 rounds on lower master valve. Walked pressure up to 8080 psi, seen RSI shifted open. Established injection rate @ 2.0 bpm @ 7482 psi, Back Side Pressure increased to 2200 psi. pumped a total of 1000 gals and seen that the 2' swage was started to leaking on the back side. Shut down, fixed leak, started pump again, continued to inject into RSI @ 2.0 Bpm @ 7571 psi. Pumped a total of 50 Bbls. Final Shut in pressure 3940 psi. Bled off back side pr 500 psi. Shut in and secured Frac tree.
15:30	2.00	17:30	GOP	General Operations	Still filling frac tanks with production water.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	Policed location for the night.

**13H-27-36 BTR (fka 16-27D-36) 6/15/2012 06:00 - 6/16/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Reconfigure flow cross on frac tree, Unable to set ball catcher, Waiting on right size stud's for instrumentation flange. Spot in flow back equipment. Finished topping off BBC frac tanks with production water. Start filling 13-26-36 BTR Staging area with 3%.

**13H-27-36 BTR (fka 16-27D-36) 6/16/2012 06:00 - 6/17/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Frac tree shut in and secured. Built Berms around flow back tanks, installed ball catcher. Finished rigging up flow back equipment, pressure tested flow back system to 4500 psi.

**13H-27-36 BTR (fka 16-27D-36) 6/17/2012 06:00 - 6/18/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Frac tree Shut in and secured, Set 2 line Water transfer equipment.

**13H-27-36 BTR (fka 16-27D-36) 6/18/2012 06:00 - 6/19/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Bond Flow back tanks, Construction crews continue to Insulate tanks battery & hook up electrical.

**13H-27-36 BTR (fka 16-27D-36) 6/19/2012 06:00 - 6/20/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Waiting on Frac and Wireline crew to arrive.

**13H-27-36 BTR (fka 16-27D-36) 6/20/2012 06:00 - 6/21/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	5.50	15:30	SRIG	Rig Up/Down	SLB WireLine Arrive On Location At 10:00 Hrs., Hold Safety Meeting. Rig Up Lubricator. HES Arrive On Location At 13:30 Hrs., Hold Safety Meeting, Rig-Up Frac Equipment.
15:30	1.00	16:30	PTST	Pressure Test	Hold Safety Meeting With All Contractors, Pressure Test To 9000#, Pressure Up 7" Annulus To 1700#, Pressure Test Lubricator To 4200#. Arm Gun, Pick Up With "Dummy" CFP.
16:30	2.50	19:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Unable To Achieve Needed Rate To Pump Down Guns, Pressuring Out. POOH, LD Guns. Attempt To Pump In, Pressuring Out At 8500#'s, 4 Bpm. Attempted Three Pump Ins, No Change. Release HES And SLB. Waiting On Tractor Tool To Run In Guns, Est. 06/22/2012. WSI And Secured.
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	ShutDown And Secure Equipment. SDFD.

**13H-27-36 BTR (fka 16-27D-36) 6/22/2012 06:00 - 6/23/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	LOCL	Lock Wellhead & Secure	WSI And Secured.
11:00	3.50	14:30	SRIG	Rig Up/Down	MIRU SLB Open Hole Truck. ReHead Into Lubricator. Arm Perf Guns And Tractor Tool.
14:30	5.84	20:20	PFRT	Perforating	RIH With Perf. Gun And Tractor Tool. Powered Up Tractor At 8450', Tractored Thru Horizontal Section To 11,809'. Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012 Logs. Pull Up, Perforate Interval At 11,824 - 11,829. Planned On Shooting Intervals At 11,930 - 11,935', 11,910 - 11,915', 11,890 - 11,895', Unable To Reach Necessary Depth, 15 Holes Shot. After Shooting First Gun, Lost Communication With Other Two. POOH With Tools, Verify All Shots Fired. WSI And Secured.
20:20	0.50	20:50	WTST	Well Test	Turn Well Over To HES. Pressure Test To 8500#'s. Open Well, ICP - 100 Psi..Pressured Out, No Rate.
20:50	1.17	22:00	CTUW	W/L Operation	WSI And Secured. Turn Well Over To WireLine. Head Back Into Lubricator, Arm Guns. Nipple Up To WellHead, Equalize To Well Pressure.
22:00	4.25	02:15	PFRT	Perforating	RIH With Perf. Gun And Tractor Tool. Powered Up Tractor At 8450', Tractored Thru Horizontal Section To 11,809'. Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012 Logs. Pull Up, Perforate Interval At 11,808 - 11,813 And 11,814 - 11,819, 30 Holes. Pooh, LD Guns, Verify All Shots Fired. WSI And Secured.
02:15	0.83	03:05	WTST	Well Test	Turn Well Over To HES. Pressure Test To 8500#'s. Open Well, ICP - 50 Psi.. Able To Establish Rate, 9.8 At 6,900 Psi., Pumped 700 Gallons 15% HCL, Pumped Across Perfs., Let Sit 10 Min.. Re-Establish Rate, 17.0 Bpm At 5,170 Psi.. ShutDown, WSI And Secured.
03:05	2.92	06:00	CTUW	W/L Operation	Well Turned Over To WireLine. Swap Out 5K Gear For 10K Gear. RIH With Stage 1 Perf. Gun.

**13H-27-36 BTR (fka 16-27D-36) 6/23/2012 06:00 - 6/24/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.75	07:45	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate, Pump Down To 11,816', Pull Up And Shoot Interval At 11,805 - 11,650', 36 Holes. POOH, LD Guns, Verify All Shots Fired. WSI And Secured. Ran In Hole At 0520 Hrs..Held Safety Meeting While POOH.
07:45	0.17	07:55	GOP	General Operations	Turn Well Over To HES. Pressure Test To 8500#'s, Pressure Backside UpTo 1900#'s.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:55	1.42	09:20	FRAC	Frac. Job	Stage 1 Frac. Hybor G 16 Fluid ICP - 2,353 Psi.. BrokeDown At 19.1 Bpm At 5,594 Psi., Brought Rate UpTo 29.2 Bpm At 6,545 Psi.. Drop Rate, Pump 2500 Gals. 15% HCL, Spot Across Perfs., And Let Sit 10 Min. ISIP - 3,437 Psi., .85 F.G.. Pump Slickwater Pad With Produced Water, Stage Into XLink Fluid, Pump .5# 100 Mesh Stage, Then To 1#, 2#, 3#, 3.5#, And 4# 20/40 White Stages. ISDP - 3,273 Psi., .83 F.G.. Total 100 Mesh - 9,200# Total 20/40 - 141,800# Total Clean Fluid - 140,919 Gallons. 3% KCL - 73,848 Gallons(1,758 Bbls.) Prod. Water - 65,878 Gallons(1,569 Bbls.) BWTR - 3,510 Bbls. Avg. Rate - 59.3 Bpm Max. Rate - 65.2 Bpm Avg. Psi. - 7,152 Psi. Max. Psi. - 8,195 Psi. WSI And Secured.
09:20	0.25	09:35	CTUW	W/L Operation	Turn Well Over To WireLine. Arm Gun And Pick Up With HES 10K CFP. Rig Up To Well, Equalize.
09:35	11.42	21:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate, Pump Down Gun. HES Pump Operator Didn't Have Trips Set Correctly. Tripped Pumps Out At 4200#'s, Perf. String/Plug Stuck.( Indicates Rubber Peeled Off With Fluid Surge). Able To POOH While Flowing Well, Got Top Of Tool Approx. 20' Below WellHead, Unable To Go Up Or Down. Set WireLine Bop's, Saw That Wire Badly CorkScrewed. Cut Wire Until Out Of Hole. Did Not Have CFP On Setting Tool When OOH. Pump 200 Bbl. Flush While Wireline ReHeaded Rope Socket. Pump 200 Bbl. Flush While Wireline ReHeaded. RIH With Sinkers Bars And Dummy Plug. Tagged Up On CFP At 8,656'. POOH. HES And SLB RigDown Necessary Equipment For CTU Rig-Up. WSI And Secured, SDFD.
21:00	9.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

**13H-27-36 BTR (fka 16-27D-36) 6/25/2012 06:00 - 6/26/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured.
08:00	5.00	13:00	GOP	General Operations	Heat 3% KCL Tanks In Frac Line. Warm Up Staging Area Tanks.
13:00	5.00	18:00	LOCL	Lock Wellhead & Secure	WSI And Secured.
18:00	5.75	23:45	SRIG	Rig Up/Down	MIRU CUDD CTU. Pick Up Injector Head, Pull Tested Coil Connector To 25,000#'s, Filled Reel With Fluid, Pressure Tested Coil Connector To 3,000 Psi.. Made Up 2.875" Back Pressure Sub, 2.875" Jars/Disconnect(2.13 Ball), 2.875" Dual Circ. Sub., And Motor With 3.75" ButterFly Mill. Pressure Test Injector Head And Lubricator To 5000 Psi, Equalize, Open To Well, Start Running In Hole. ICP - 2000 Psi.
23:45	4.00	03:45	CLN	Clean Out Hole	Open Well UpTo 24/64" Choke While Running In Hole, Begin Pumping At .75 Bpm. WellHead Psi - 1000 Psi. Increase Pump Rate To 2.0 Bpm 700' Above Plug At 8,656', Tag And Drill Out Sleeve, Showing 2.5 Bpm Returns, WellHead Psi - 1000 Psi., DrillOut In 14 Minutes. Pump 10 Bbl. Sweep. Run In To 11,830', Pump 20 Bbl. Sweep, Circulate 30 Min.
03:45	2.25	06:00	TRIP	Tripping	Pooh With Coil

**13H-27-36 BTR (fka 16-27D-36) 6/26/2012 06:00 - 6/27/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	SRIG	Rig Up/Down	RigDown CUDD CTU And Equipment. MIRU SLB And HES. Hold Safety Meetings. Run QC Checks On Fluids.
11:00	0.42	11:25	CTUW	W/L Operation	Well Turned Over To W/L. Arm Gun, Pick Up With Baker 20 Setting Tool And HES 10K CFP. Rig Up To Well, Equalize To Well Pressure.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:25	1.92	13:20	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun/Baker 20/CFP Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate, Pump Down To 8,870', Tagged Obstruction, Had To Flow Well To Come Free, Running 200' A Min. At Tag. Pulled Up To 5000', Bring On Fluid At 4 Bpm, Increase To 12 Bpm At Curve, Tagged Obstruction At Same Depth At 150'/Min.. Able To Pull Off. ShutDown Fluid Pump. POOH. LD Guns/Plug/Setting Tool. No CFP, Indicates It Set At 8,870'. WSI And Secured.
13:20	2.67	16:00	SRIG	Rig Up/Down	SLB And HES RigDown Equipment And Move Necessary Equipment For CTU.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**13H-27-36 BTR (fka 16-27D-36) 6/27/2012 06:00 - 6/28/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50918	Utah	Duchesne	Black Tail Ridge	COMPLETION	12,080.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured.
08:00	5.00	13:00	SRIG	Rig Up/Down	MIRU CUDD CTU. BBC Administering UA's Upon Arrival. MIRU CUDD CTU. Pick Up Injector Head, Pull Tested Coil Connector To 25,000#s, Filled Reel With Fluid, Pressure Tested Coil Connector To 3,000 Psi.. Made Up 2.875" Back Pressure Sub, 2.875" Jars/Disconnect(2.13 Ball), 2.875" Dual Circ. Sub., And Motor With 3.875" ButterFly Mill. Pressure Test Injector Head And Lubricator To 5000 Psi, Equalize, Open To Well, Start Running In Hole. ICP - 2000 Psi.
13:00	5.00	18:00	CLN	Clean Out Hole	Open Well UpTo 20/64" Choke While Running In Hole, Begin Pumping At .75 Bpm. WellHead Psi - 500 Psi. Increase Pump Rate To 2.0 Bpm 200' Above Plug At 8,870', Tag And Drill Out Plug, Showing 2.5 Bpm Returns, WellHead Psi - 600 Psi., DrillOut In 30 Minutes. Pump 10 Bbl. Sweep. Run In To 11,850', Pump 20 Bbl. Sweep, Circulate 30 Min.
18:00	1.75	19:45	TRIP	Tripping	POOH With Coil
19:45	0.25	20:00	GOP	General Operations	WSI And Secured. LD Mill And Motor, Pick Up HES Setting Tool And 10K Obsidian Frac Plug. Nipple Up To Well, Equalize.
20:00	5.00	01:00	TRIP	Tripping	Trip In With Coil To 11,640', Set Frac Plug. Trip Out Of Hole
01:00	3.00	04:00	SRIG	Rig Up/Down	WSI And Secured. LD Tools. Blow Down Reel. RigDown CTU And Equipment.
04:00	2.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SLB And HES Rigging Up.

**13H-27-36 BTR (fka 16-27D-36) 6/28/2012 06:00 - 6/29/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50918	Utah	Duchesne	Black Tail Ridge	COMPLETION	12,080.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	SRIG	Rig Up/Down	HES And SLB Finish Rigging Up. Run QC On Fluids. Prime Up And Pressure Test To 8500#s.
07:30	0.25	07:45	SMTG	Safety Meeting	Hold Safety Meeting With All Contractors Present. Talked About Smoking Area, PPE, Escape Routes, Job Processes, And Communication.
07:45	0.34	08:05	CTUW	W/L Operation	Well Turned Over To WireLine. Arm Gun, Pick Up With Dummy Plug, Rig Up To Well. Equalize To Well Pressure. 2000 Psi.
08:05	2.25	10:20	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun/Baker 20/CFP Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate To 8 Bpm In 2 Bbl. Increments, Pump Down To 11,638'. Pull Up And Shoot Stage 2 CR-4, 11,620 - 11,353, 45 Holes. POOH, LD Spent Guns, Verify All Shots Fired. WSI And Secured. Ball In Frac Tree.
10:20	0.33	10:40	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#s. Pressure Up 7" Annulus To 1500 Psi., Equalize And Open Well. Wait 10 Min. While Ball Drops.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:40	1.50	12:10	FRAC	Frac. Job	<p>Stage 2 Frac. Hybor G 16 Fluid ICP - 2,407 Psi.. BrokeDown At 14.3 Bpm At 6,681 Psi., Brought Rate UpTo 18.9 Bpm At 7,540 Psi.. Drop Rate, Pump 3900 Gals. 15% HCL, Spot Across Perfs., And Let Sit 10 Min. ISIP - 4,850 Psi., 1.02 F.G.. Pump Slickwater Pad With Produced Water, Stage Into XLink Fluid, Pump .5# 100 Mesh Stage, Then To 1#, 2#, And 3# 20/40 White Stages. Cut Sand In 3# Stage Due To Sharp Increase In Net. Able To Get Flushed. Pumped 36.1% Of Design. ISDP - 3,437 Psi., .85 F.G. Total 100 Mesh - 9,000# Total 20/40 - 46,300# Total Clean Fluid - 112,112 Gallons.( 2,669 Bbls. ) 3% KCL - 45,739 Gallons.( 1,089 Bbls.) Prod. Water - 64,520 Gallons.( 1,536 Bbls.) BWTR - 3,000 Bbls. Avg. Rate - 30.6 Bpm Max. Rate - 60.6 Bpm Avg. Psi. - 6,406 Psi. Max. Psi. - 8,489 Psi. WSI And Secured.</p>
12:10	0.33	12:30	CTUW	W/L Operation	Well Turned Over To WireLine. Arm Gun, Pick Up With HES Obsidian 10K Frac Plug, Rig Up To Well. Equalize To Well Pressure. 2600 Psi.
12:30	2.09	14:35	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun/Baker 20/CFP Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate To 9 Bpm In 2 Bbl. Increments, Pump Down To 11,286'. Pull Up, Set Plug At 11,326' And Shoot Stage 3 CR-4, 11,311 - 11,010, 45 Holes. POOH, LD Spent Guns, Verify All Shots Fired. WSI And Secured. Ball In Frac Tree.</p>
14:35	0.42	15:00	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#'s. Equalize And Open Well. Wait 10 Min. While Ball Drops.
15:00	1.58	16:35	FRAC	Frac. Job	<p>Stage 3 Frac. Hybor G 16 Fluid ICP - 2,524 Psi.. BrokeDown At 18.9 Bpm At 6,033 Psi., Brought Rate UpTo 14.3 Bpm At 5,700 Psi.. Drop Rate, Pump 3900 Gals. 15% HCL, Spot Across Perfs., And Let Sit 10 Min. ISIP - 4,400 Psi., .97 F.G.. Pump Slickwater Pad With Produced Water, Stage Into XLink Fluid, Pump 1# 100 Mesh Stage, Then To 1#, 2#, And 3# 20/40 White Stages. Cut Sand In 3# Stage Due To Net Increase. 59% Of Design Sand Pumped. ISDP - 3,196 Psi., .82 F.G. Total 100 Mesh - 19,600# Total 20/40 - 87,800# Total Clean Fluid - 131,401 Gallons.( 3,129 Bbls. ) 3% KCL - 61,106 Gallons.( 1,455 Bbls.) Prod. Water - 68,354 Gallons.( 1,627 Bbls.) BWTR - 3,522 Bbls. Avg. Rate - 51.1 Bpm Max. Rate - 61.6 Bpm Avg. Psi. - 7,637 Psi. Max. Psi. - 8,113 Psi. WSI And Secured.</p>
16:35	0.33	16:55	CTUW	W/L Operation	Well Turned Over To WireLine. Arm Gun, Pick Up With HES Obsidian 10K Frac Plug, Rig Up To Well. Equalize To Well Pressure. 2700 Psi.
16:55	2.00	18:55	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun/Baker 20/CFP Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate To 9 Bpm In 2 Bbl. Increments, Pump Down To 11,959'. Pull Up, Set Plug At 11,002' And Shoot Stage 4 CR-4, 10,980 - 10,650, 45 Holes. POOH, LD Spent Guns, Verify All Shots Fired. WSI And Secured. Ball In Frac Tree.</p>
18:55	0.34	19:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#'s. Equalize And Open Well. Wait 10 Min. While Ball Drops.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
19:15	1.92	21:10	FRAC	Frac. Job	Stage 4 Frac. Hybor G 16 Fluid ICP - 2,469 Psi.. BrokeDown At 25.1 Bpm At 5,973 Psi., Brought Rate UpTo 25.2 Bpm At 5,873 Psi.. Drop Rate, Pump 3900 Gals. 15% HCL, Spot Across Perfs., And Let Sit 10 Min. ISIP - 4,212 Psi., .95 F.G.. Pump Slickwater Pad With Produced Water, Stage Into XLink Fluid, Pump 1# 100 Mesh Stage, Then To 1#, 2#, And 3# 20/40 White Stages. Cut Sand In 3# Due To Net Increase. 44.4% Of Designed Sand Pumped. ISDP - 4,291 Psi., .96 F.G. Total 100 Mesh - 21,800# Total 20/40 - 62,200# Total Clean Fluid - 143,565 Gallons.( 3,418 Bbls. ) 3% KCL - 56,423 Gallons.( 1,343 Bbls.) Prod. Water - 85,125 Gallons.( 2,027 Bbls.) BWTR - 3,800 Bbls. Avg. Rate - 55.4 Bpm Max. Rate - 60.3 Bpm Avg. Psi. - 7,842 Psi. Max. Psi. - 7,842 Psi. WSI And Secured.
21:10	0.41	21:35	CTUW	W/L Operation	Well Turned Over To WireLine. Arm Gun, Pick Up With HES Obsidian 10K Frac Plug, Rig Up To Well. Equalize To Well Pressure. 2600 Psi.
21:35	2.42	00:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun/Baker 20/CFP Configured At 120 Degree Phasing, 4 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Run Strip And Grab Collars At 7,735, 7,692, And 7,624'. Run In, Bring Up Fluid Rate To 9 Bpm In 2 Bbl. Increments, Pump Down To 11,650'. Pull Up, Set Plug At 10,640' And Shoot Stage 5 CR-4, 10,620 - 10,400, 60 Holes. POOH, LD Spent Guns, Verify All Shots Fired. WSI And Secured. Ball In Frac Tree.
00:00	0.25	00:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#s. Equalize And Open Well. Wait 10 Min. While Ball Drops.
00:15	1.25	01:30	FRAC	Frac. Job	Stage 5 Frac. Hybor G 16 Fluid ICP - 2,552 Psi.. BrokeDown At 18.9 Bpm At 6,343 Psi.. Drop Rate, Pump 3900 Gals. 15% HCL, Spot Across Perfs., And Let Sit 10 Min. ISIP - 4,342 Psi., .96 F.G.. Pump Slickwater Pad With Produced Water, Stage Into XLink Fluid, Pump 1# 100 Mesh Stage, Then To 1# And 2# 20/40 White Stages. Cut Sand Early Due To Net Increase. 43% Of Designed Sand Pumped. ISDP - 3,436 Psi., .85 F.G. Total 100 Mesh - 14,600# Total 20/40 - 39,600# Total Clean Fluid - 101,439 Gallons.( 2,415 Bbls. ) 3% KCL - 45,777 Gallons.( 1,090 Bbls.) Prod. Water - 53,467 Gallons.( 1,273 Bbls.) BWTR - 2,800 Bbls. Avg. Rate - 54.7 Bpm Max. Rate - 58.9 Bpm Avg. Psi. - 7,805 Psi. Max. Psi. - 8,407 Psi. WSI And Secured.
01:30	0.33	01:50	CTUW	W/L Operation	Well Turned Over To WireLine. Arm Gun, Pick Up With HES Obsidian 10K Frac Plug, Rig Up To Well. Equalize To Well Pressure. 2600 Psi.
01:50	1.42	03:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun/Baker 20/CFP Configured At 120 Degree Phasing, 4 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes .Correlating To WeatherFord CTC/QL Dated 05/28/2012 And SLB CBL/VDL/CCL Dated 06/07/2012. Stacked Out At 7325', Noticed Stranded Armor On Wire. POOH, Will Need To Swap Out WireLine Trucks. WSI And Secured.
03:15	2.75	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Wait On WireLine Truck.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 13H-27-36 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013509180000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0541 FSL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/8/2012				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well had first gas sales on 7/3/2012 and first oil sales on  
7/8/2012.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 July 26, 2012

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 7/17/2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 13H-27-36 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0541 FSL 0465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		<b>9. API NUMBER:</b> 43013509180000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 July 2012 monthly drilling activity report is attached.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 August 06, 2012

<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/2/2012	



**13H-27-36 BTR (fka 16-27D-36) 7/1/2012 06:00 - 7/2/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	14.50	20:30	FBCK	Flowback Well	Flowing back well / Choke set to 20/64. Recovering 2.5 bbls a minute / 150 bbls an hour.	
20:30	0.75	21:15	SRIG	Rig Up/Down	N/D Frac head & Greased upper and lower master valves. CTS arrived on location.	
21:15	3.50	00:45	SRIG	Rig Up/Down	Spotted Coil tbq equipment. Held Safety meeting with all contactor's on location. R/up Crane, P/up Injector head. MU lubricator, MU Drill out assembly. 1-2.875" Coil Connector, Pull tested to 25K. 2-2.875" Hyd Jar's 3-2.875" Stab. 4-2.875 MHA. 5--2.875 Dual check valve. 6-2.875" Circ Sub. 7-2.875" Oscillator. 8-2.875" Motor. Function tested motor @ 2.5 bpm. 9-3.875" Junk Mill.	
00:45	0.50	01:15	GOP	General Operations	Set injector head & Lub, purged coil system to flow back tanks, Closed system, Pressure tested coil equipment to 5000 psi, bled pressure down, 1800 psi on the well head. Equalized well head pressure, open well. started in the hole.	
01:15	2.50	03:45	TRIP	Tripping	RIH to 200', engaged pumps to .5 bpm & continued in the hole. completing weight checks @ 5000', 8000'. increased pump rate 2.0 bpm. with 3.25 bpm in returns. Well head pressure maintaining between 350 to 550 psi.	
03:45	2.25	06:00	DOPG	Drill Out Plugs	Tagged plug #1 @ 9002', dilled through CFP, Pumped 10 bbl sweep, Con't to RIH, Tagged CFP #2, @ 9294'. Drilled through CFP, pumped 10 bbl sweep, Con't to RIH with drilling assembly, Tagged CFP #3 @ 9616', Drilled through CFP. Tagged tight @ 9715' work through, had to pull, well head pressure spike over 1000 psi, Flow line plugged up with CFP Material, Broke Plug parts free. As of 05:30 hrs, started drilling on CFP #4 @ 9890'. Pump rate holding steady @ 2.25 bpm, Well head pressure maintaining between 350 psi to 550 psi.	

**13H-27-36 BTR (fka 16-27D-36) 7/2/2012 06:00 - 7/3/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.75	07:45	TRIP	Tripping	Pulled Coil tbq to Vertical section @ 7646',	
07:45	1.00	08:45	DTIM	Downtime	Heavy sand and plug material plugged up sand trap. shut down pumps, broke apart plugged lines, cleaned out sand and plug material, Open well.	
08:45	1.00	09:45	TRIP	Tripping	Open Well and Started pumps,RIH with 2' Coil and drill out assembly. Pumping @ 2.25 bpm, with 3.2 bbls in returns.	
09:45	2.50	12:15	DOPG	Drill Out Plugs	Tagged Obsidian Frac plug @ 10,145', Drilled out CFP. Con't to RIH, Drilled out CFP @ 10,385', 10,640', 11,002', Tagged Plug @ 11,326', Pulled 500' wiper trip, Pump Gel Sweep. Seen a lot of hard drag on coil tbq. pulled coil for wiper trip.	
12:15	2.00	14:15	TRIP	Tripping	Pulled coil to vertical section due to excessive drag. Seen 10k of over pulling, very sticky. Con't pumping gel sweeps. Started back in the hole once excusive drag decrease. RIH with coil to 11,326', Tagged FCP @ 11,326'.	
14:15	2.25	16:30	DOPG	Drill Out Plugs	Drilled out CFP @ 11,326', Pumped 10 bbls sweep. Con't to clean out to Stg #10 CFP, Tagged remaining CFP @ 11,629', Drilled out CFP @ 11,629', Con't to drill out to PBTD 11,900'. Pump 20 Gel Sweep, plus 50 bbl spacer. started reeling coil out of the hole.	
16:30	3.00	19:30	GOP	General Operations	Pooh With Coil tbq. Con't to Circ hole clean @ 2.5 bpm. Bumped up coil tbq. Secured well head. Disconncted tools assembly. blew coil reel dry with N2.	
19:30	2.00	21:30	SRIG	Rig Up/Down	RDMO CTS.	
21:30	8.50	06:00	LOCL	Lock Wellhead & Secure	Scured location, Turned well over to production.	

**13H-27-36 BTR (fka 16-27D-36) 7/3/2012 06:00 - 7/4/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	

**13H-27-36 BTR (fka 16-27D-36) 7/23/2012 06:00 - 7/24/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	GOP	General Operations	MOVE IN R/U PREP BOP AND EQ.
12:00	18.00	06:00	GOP	General Operations	DOWN TIL MORNING

**13H-27-36 BTR (fka 16-27D-36) 7/24/2012 06:00 - 7/25/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL KILL WELL
07:00	3.00	10:00	HOIL	Hot Oil Well	N/D FRAC VALVE N/U BOP P/U ON CASING STING OUT OF LINER PUMP 150 BBLS DOWN 4 1/2 RETURN UP 7" GETTING DRILING MUD IN RETURNS
10:00	1.00	11:00	GOP	General Operations	R/U WEATHERFORD CASING CREW
11:00	8.00	19:00	PULT	Pull Tubing	POOH W/ 179 JTS OF 4 1/2 CASING HAVE TO KEEP HOTOIL CASING TRYING TO CLEAN UP ABOUT 1" OF DEHYDRATED PARIFFIN LAY DOWN SEAL ASS. SHUT WELL IN
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	DOWN TIL MORNING

**13H-27-36 BTR (fka 16-27D-36) 7/25/2012 06:00 - 7/26/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	--------------------------------	--------------------------	--------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	3.00	10:00	GOP	General Operations	R/U TUBING EQ. BLEED WELL OFF UNLOAD PIPE AND TALLEY
10:00	6.00	16:00	RUTB	Run Tubing	RIH W/ TUBING AS FOLLOWS BULL PLUG 5 JTS DESANDER 4' SUB TUBING BARREL ANCHOR 185 JTS WELL FLOWING ON AND OFF SHUT OPEN TO TREATER
16:00	14.00	06:00	GOP	General Operations	DOWN TIL MORNING

**13H-27-36 BTR (fka 16-27D-36) 7/26/2012 06:00 - 7/27/2012 06:00**

API/UWI 43-013-50918	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 12,080.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	--------------------------------	--------------------------	--------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	2.00	09:00	HOIL	Hot Oil Well	PUMP 320 BBLS AROUND WELL CIRC. DRILLING MUD OUT OF 7"

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	2.00	11:00	RUTB	Run Tubing	RIH HOLE W/ REST OF TUBING SET ANCHOR W/ 20K TENSION  N/D BOP AND FLOOR R/U ROD EQ.  IN HOLE HANGER 219 JTS ANCHOR TUBING BARREL 4' SUB 4 1/2 DESANDER 5 JTS BULL PLUG
11:00	1.00	12:00	HOIL	Hot Oil Well	DROP STANDING VALVE PUMP 65 BBLS
12:00	5.00	17:00	RURP	Run Rods & Pump	RIH PICKING UP RODS AS FOLLOWS TUBING PUMP PLUNGER SHEAR SUB 26 1" 52 3/4 107 7/8 91 1" 2' SUB 40 POLISH ROD
17:00	1.00	18:00	GOP	General Operations	R/D SLIDE IN ROTO FLEX
18:00	12.00	06:00	GOP	General Operations	ON PRODUCTION

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

C  
FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350918	13H-27-36 BTR		SESE	27	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	18445	18445	3/1/2012			7/13/12	
Comments: <u>Wasatch Only</u> <u>BHL: SESE</u> <u>9/20/2012</u> <b>CONFIDENTIAL</b>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

9/13/2012

Title

Date

**RECEIVED**

SEP 14 2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626442
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 13H-27-36 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013509180000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0541 FSL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 Township: 03.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Lease"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/15/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The tribal lease has been earned for this well. The new lease number is 1420H626442 containing 640 acres (Section 27: All).

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 02, 2012

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 9/28/2012

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. 20G0005608	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BILL BARRETT CORPORATION		7. Unit or CA Agreement Name and No.	
Contact: MEGAN FINNEGAN E-Mail: mfinnegan@billbarrettcorp.com		8. Lease Name and Well No. 13H-27-36 BTR	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		9. API Well No. 43-013-50918	
3a. Phone No. (include area code) Ph: 303-299-9949		10. Field and Pool, or Exploratory CEDAR RIM	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 541FSL 465FEL At top prod interval reported below SESE 784FSL 1079FEL At total depth SWSW 987FSL 640FWL BHL by HSM		11. Sec., T., R., M., or Block and Survey or Area Sec 27 T3S R6W Mer UBM	
14. Date Spudded 03/01/2012		15. Date T.D. Reached 05/24/2012	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/03/2012		17. Elevations (DF, KB, RT, GL)* 6022 GL	

18. Total Depth: MD 12152 TVD 8271	19. Plug Back T.D.: MD 11993 TVD 8288	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, TEMP		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	80	80			0	
12.250	9.625 J-55	36.0	0	2805	2805	670	307	0	
8.750	7.000 P-110	26.0	0	8650	8650	900	331	0	
6.125	4.500 P-110	11.6	0	12152	12080	700	157	7620	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7165							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	8720	11825	8720 TO 11825	0.440	495	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8720 TO 11825	WASATCH: SEE TREATMENT STAGES 1 - 11

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/03/2012	07/26/2012	24	→	202.0	9.0	375.0	52.0		FLOW FROM WELL
Choke Size 64/64	Tbg. Press. Flwg. SI 225	Csg. Press. 100.0	24 Hr. Rate →	Oil BBL 202	Gas MCF 9	Water BBL 375	Gas:Oil Ratio 45	Well Status POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #148694 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

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SEP 10 2012

Div. of Oil, Gas & Mining



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER	3004
				MAHOGANY	3674
				DOUGLAS CREEK	5882
				BLACK SHALE	6766
				CASTLE PEAK	6896
				UTELAND BUTTE	7199
				WASATCH	7547
				TD	12152

## 32. Additional remarks (include plugging procedure):

Conductor was cemented with grout. TOC was calculated by CBL. CBL and logs were mailed due to file size. First gas sales was on 7/3/2012. First oil sales was on 7/8/2012. Attached is treatment data.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #148694 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN

Title PERMIT ANALYST

Signature  (Electronic Submission)

Date 09/04/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

**13H-27-36 BTR Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>			
<b>AMOUNT AND TYPE OF MATERIAL</b>			
<u><i>Stage</i></u>	<u><i>Bbls Slurry</i></u>	<u><i>lbs Common White 100 Mesh Sand</i></u>	<u><i>lbs 20/40 White Sand</i></u>
1	3,549	3,200	141,900
2	3,153	9,000	46,300
3	3,536	19,600	87,800
4	3,667	21,800	62,200
5	2,903	14,600	39,600
6	2,706	7,800	
7	3,846	22,100	114,300
8	4,062	23,400	130,500
9	4,758	28,700	159,700
10	4,169	25,100	141,100
11	4,464	31,040	157,340

\*Depth intervals for frac information same as perforation record intervals.

# **Bill Barrett Corp.**

Duchesne Co., UT (NAD27)

Sec.27-T3S-R6W

13H-27-36 Tw BTR

Wellbore #2-Crv/Lat

Design: Wellbore #2-Crv/Lat

## **Standard Survey Report**

24 May, 2012



Bill Barrett Corp.  
 Project: Duchesne Co., UT (NAD27)  
 Site: Sec.27-T3S-R6W  
 Well: 13H-27-36 Tw BTR  
 Wellbore: Wellbore #2-Crv/Lat  
 Design: Wellbore #2-Crv/Lat  
 Lat: 40° 11' 6.69 N  
 Long: 110° 32' 27.18 W  
 Pad GL: 6020.01  
 KB: WELL @ 6044.01ft

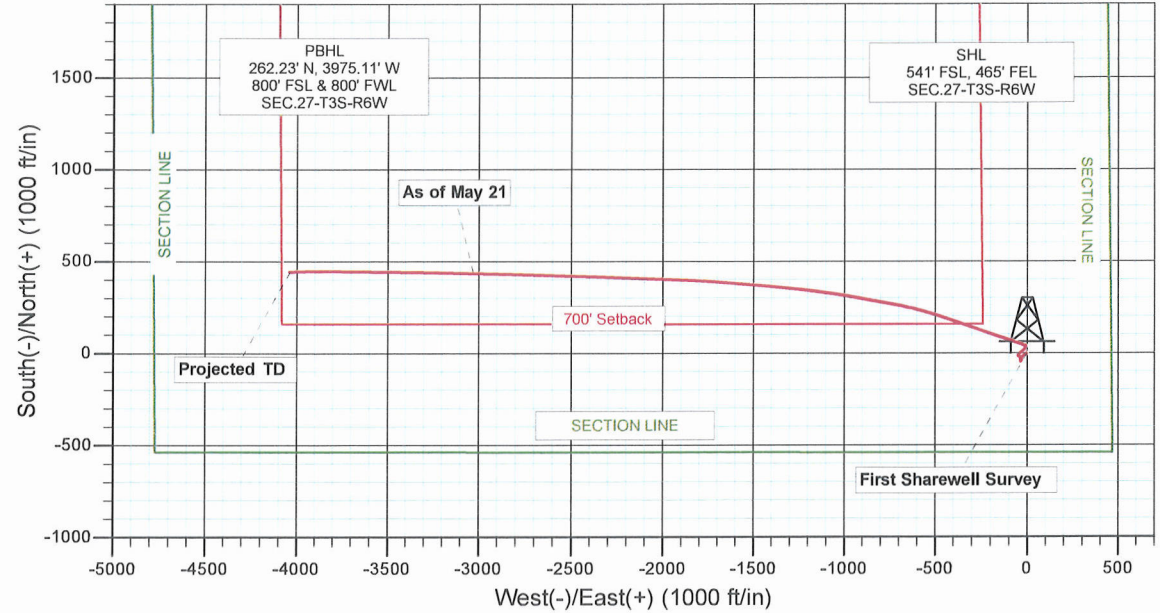
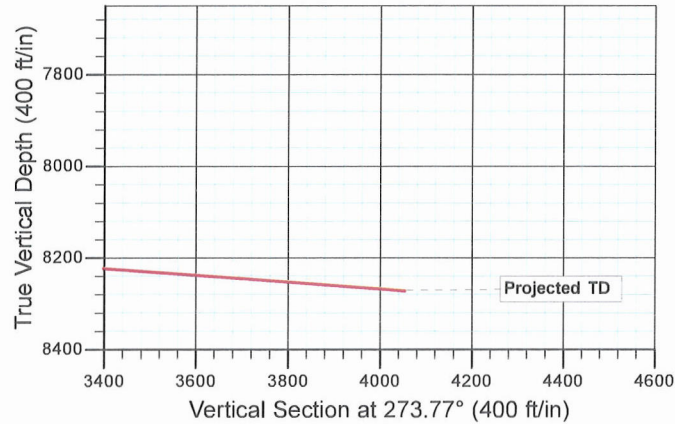


**PROJECT DETAILS: Duchesne Co., UT (NAD27)**

Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Utah Central 4302  
 System Datum: Mean Sea Level

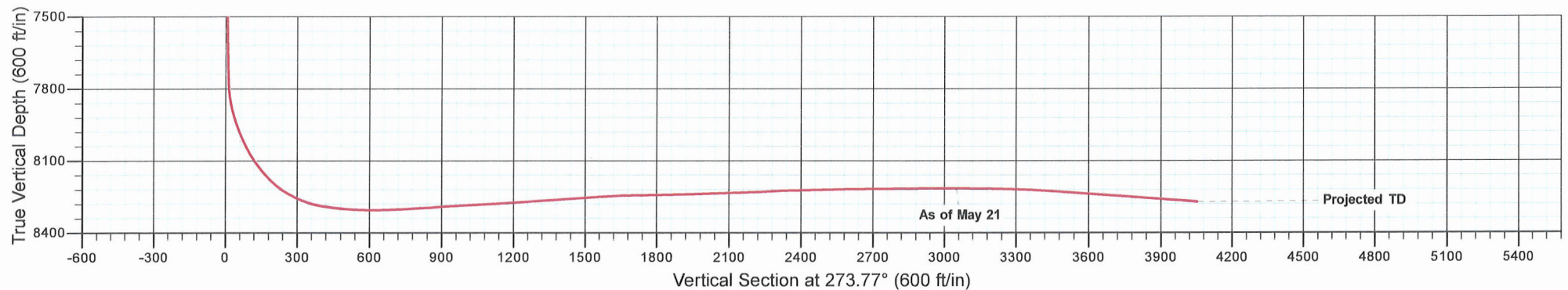


Azimuths to True North  
 Magnetic North: 11.42°  
 Magnetic Field  
 Strength: 52188.7nT  
 Dip Angle: 65.80°  
 Date: 4/27/2012  
 Model: IGRF2010



**ANNOTATIONS**

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
113.00	113.00	0.400	220.00	-0.30	-0.25	0.23	0.39	First Sharewell Survey
8214.23	11143.00	89.758	271.40	437.67	-3028.11	3050.36	3248.35	As of May 21
8270.66	12152.00	85.700	268.70	446.10	-4035.06	4055.67	4255.44	Projected TD



# Sharewell

## Survey Report

**Company:** Bill Barrett Corp.  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.27-T3S-R6W  
**Well:** 13H-27-36 Tw BTR  
**Wellbore:** Wellbore #2-Crv/Lat  
**Design:** Wellbore #2-Crv/Lat

**Local Co-ordinate Reference:** Well 13H-27-36 Tw BTR  
**TVD Reference:** WELL @ 6044.01ft  
**MD Reference:** WELL @ 6044.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

<b>Project</b>	Duchesne Co., UT (NAD27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site	Sec.27-T3S-R6W				
Site Position:		Northing:	675,938.62 usft	Latitude:	40° 11' 6.69 N
From:	Lat/Long	Easting:	2,267,961.61 usft	Longitude:	110° 32' 27.18 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.61 °

Well	13H-27-36 Tw BTR					
Well Position	+N/-S	0.00 ft	Northing:	675,938.61 usft	Latitude:	40° 11' 6.69 N
	+E/-W	0.00 ft	Easting:	2,267,961.61 usft	Longitude:	110° 32' 27.18 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,020.01 ft	

<b>Wellbore</b>	Wellbore #2-Crv/Lat				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	4/27/2012	11.42	65.80	52,189

Design	Wellbore #2-Crv/Lat				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	273.77	

<b>Survey Program</b>	Date 5/24/2012			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
113.00	12,152.00	MWD (Wellbore #2-Crv/Lat)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.00	0.400	220.00	113.00	-0.30	-0.25	0.23	0.35	0.35	0.00
212.00	0.500	220.20	212.00	-0.90	-0.75	0.69	0.10	0.10	0.20
305.00	0.700	225.30	304.99	-1.61	-1.42	1.31	0.22	0.22	5.48
399.00	0.700	208.00	398.98	-2.52	-2.10	1.93	0.22	0.00	-18.40
490.00	0.800	203.70	489.98	-3.59	-2.61	2.37	0.13	0.11	-4.73
582.00	0.800	218.10	581.97	-4.68	-3.27	2.95	0.22	0.00	15.65
673.00	1.100	210.10	672.95	-5.94	-4.10	3.70	0.36	0.33	-8.79
764.00	1.100	211.70	763.94	-7.44	-5.00	4.50	0.03	0.00	1.76
856.00	1.300	251.40	855.92	-8.52	-6.45	5.87	0.91	0.22	43.15

# Sharewell

## Survey Report

**Company:** Bill Barrett Corp.  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.27-T3S-R6W  
**Well:** 13H-27-36 Tw BTR  
**Wellbore:** Wellbore #2-Crv/Lat  
**Design:** Wellbore #2-Crv/Lat

**Local Co-ordinate Reference:** Well 13H-27-36 Tw BTR  
**TVD Reference:** WELL @ 6044.01ft  
**MD Reference:** WELL @ 6044.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
951.00	1.000	285.70	950.90	-8.64	-8.27	7.68	0.78	-0.32	36.11
1,045.00	0.200	294.00	1,044.90	-8.35	-9.21	8.64	0.85	-0.85	8.83
1,140.00	0.300	236.60	1,139.89	-8.42	-9.57	8.99	0.27	0.11	-60.42
1,235.00	0.200	186.40	1,234.89	-8.72	-9.79	9.20	0.24	-0.11	-52.84
1,330.00	0.900	218.30	1,329.89	-9.47	-10.27	9.63	0.78	0.74	33.58
1,424.00	0.900	237.30	1,423.88	-10.45	-11.35	10.64	0.32	0.00	20.21
1,519.00	0.600	258.70	1,518.87	-10.95	-12.47	11.72	0.43	-0.32	22.53
1,614.00	0.600	250.20	1,613.86	-11.22	-13.42	12.66	0.09	0.00	-8.95
1,708.00	0.900	221.40	1,707.86	-11.94	-14.38	13.56	0.50	0.32	-30.64
1,803.00	0.800	221.10	1,802.85	-13.00	-15.30	14.42	0.11	-0.11	-0.32
1,897.00	0.600	226.10	1,896.84	-13.83	-16.09	15.15	0.22	-0.21	5.32
1,992.00	1.000	216.70	1,991.83	-14.84	-16.94	15.93	0.44	0.42	-9.89
2,087.00	0.800	240.50	2,086.82	-15.84	-18.02	16.94	0.44	-0.21	25.05
2,182.00	0.900	239.80	2,181.81	-16.54	-19.24	18.11	0.11	0.11	-0.74
2,276.00	1.000	242.60	2,275.79	-17.29	-20.61	19.42	0.12	0.11	2.98
2,371.00	1.200	222.60	2,370.78	-18.40	-22.02	20.76	0.45	0.21	-21.05
2,466.00	0.600	248.30	2,465.77	-19.32	-23.15	21.83	0.75	-0.63	27.05
2,561.00	0.600	256.20	2,560.76	-19.62	-24.10	22.75	0.09	0.00	8.32
2,654.00	0.600	228.40	2,653.76	-20.06	-24.93	23.56	0.31	0.00	-29.89
2,738.00	0.400	224.80	2,737.75	-20.56	-25.47	24.06	0.24	-0.24	-4.29
2,852.00	1.500	226.70	2,851.73	-21.86	-26.83	25.34	0.97	0.96	1.67
2,947.00	2.100	218.10	2,946.69	-24.09	-28.81	27.17	0.69	0.63	-9.05
3,040.00	1.800	213.30	3,039.63	-26.65	-30.67	28.85	0.37	-0.32	-5.16
3,135.00	1.800	186.10	3,134.59	-29.38	-31.64	29.64	0.89	0.00	-28.63
3,230.00	0.700	190.50	3,229.56	-31.43	-31.91	29.77	1.16	-1.16	4.63
3,325.00	1.100	182.90	3,324.55	-32.91	-32.06	29.82	0.44	0.42	-8.00
3,420.00	1.200	198.30	3,419.53	-34.77	-32.42	30.06	0.34	0.11	16.21
3,515.00	1.200	186.40	3,514.51	-36.70	-32.84	30.36	0.26	0.00	-12.53
3,610.00	1.100	141.20	3,609.50	-38.40	-32.38	29.78	0.94	-0.11	-47.58
3,705.00	1.100	169.60	3,704.48	-40.01	-31.65	28.94	0.57	0.00	29.89
3,800.00	0.400	152.70	3,799.47	-41.20	-31.33	28.55	0.76	-0.74	-17.79
3,895.00	0.600	185.60	3,894.47	-41.99	-31.23	28.39	0.36	0.21	34.63
3,989.00	1.100	188.13	3,988.46	-43.37	-31.40	28.48	0.53	0.53	2.69
4,083.00	0.700	278.50	4,082.45	-44.18	-32.10	29.12	1.39	-0.43	96.14
4,178.00	0.900	133.10	4,177.44	-44.61	-32.13	29.12	1.61	0.21	-153.05
4,272.00	1.300	17.80	4,271.43	-44.09	-31.26	28.29	1.99	0.43	-122.66
4,367.00	1.800	18.50	4,366.40	-41.65	-30.46	27.65	0.53	0.53	0.74
4,462.00	2.100	33.80	4,461.35	-38.79	-29.02	26.40	0.63	0.32	16.11
4,557.00	1.000	25.00	4,556.31	-36.59	-27.70	25.23	1.18	-1.16	-9.26
4,652.00	1.100	22.60	4,651.29	-35.00	-27.00	24.63	0.11	0.11	-2.53
4,747.00	0.700	348.10	4,746.28	-33.59	-26.77	24.50	0.69	-0.42	-36.32
4,842.00	0.200	215.20	4,841.28	-33.16	-26.98	24.74	0.89	-0.53	-139.89
4,936.00	0.500	223.50	4,935.28	-33.59	-27.36	25.09	0.32	0.32	8.83
5,031.00	0.500	182.00	5,030.27	-34.31	-27.66	25.34	0.37	0.00	-43.68



# Sharewell

## Survey Report

**Company:** Bill Barrett Corp.  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.27-T3S-R6W  
**Well:** 13H-27-36 Tw BTR  
**Wellbore:** Wellbore #2-Crv/Lat  
**Design:** Wellbore #2-Crv/Lat

**Local Co-ordinate Reference:** Well 13H-27-36 Tw BTR  
**TVD Reference:** WELL @ 6044.01ft  
**MD Reference:** WELL @ 6044.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,126.00	0.600	102.70	5,125.27	-34.83	-27.19	24.84	0.74	0.11	-83.47
5,221.00	0.200	332.20	5,220.27	-34.79	-26.78	24.43	0.78	-0.42	-137.37
5,316.00	1.500	336.00	5,315.26	-33.51	-27.36	25.10	1.37	1.37	4.00
5,410.00	1.900	314.90	5,409.22	-31.29	-28.97	26.84	0.78	0.43	-22.45
5,505.00	1.200	321.00	5,504.18	-29.40	-30.71	28.71	0.76	-0.74	6.42
5,600.00	2.200	338.40	5,599.14	-26.93	-32.01	30.16	1.17	1.05	18.32
5,695.00	2.000	323.80	5,694.08	-23.90	-33.66	32.01	0.60	-0.21	-15.37
5,789.00	1.400	301.70	5,788.04	-21.97	-35.60	34.08	0.93	-0.64	-23.51
5,883.00	2.600	302.30	5,881.98	-20.23	-38.38	36.97	1.28	1.28	0.64
5,978.00	2.900	319.20	5,976.87	-17.26	-41.77	40.55	0.91	0.32	17.79
6,073.00	2.200	315.20	6,071.77	-14.15	-44.63	43.60	0.76	-0.74	-4.21
6,168.00	1.700	33.00	6,166.73	-11.67	-45.15	44.28	2.61	-0.53	81.89
6,262.00	2.700	36.70	6,260.66	-8.73	-43.06	42.40	1.07	1.06	3.94
6,357.00	2.600	39.90	6,355.56	-5.28	-40.34	39.91	0.19	-0.11	3.37
6,452.00	4.200	49.10	6,450.39	-1.35	-36.33	36.16	1.77	1.68	9.68
6,547.00	5.300	48.30	6,545.06	3.85	-30.43	30.61	1.16	1.16	-0.84
6,642.00	5.300	43.80	6,639.66	9.94	-24.11	24.71	0.44	0.00	-4.74
6,737.00	4.100	52.60	6,734.34	15.16	-18.38	19.34	1.47	-1.26	9.26
6,831.00	2.600	43.50	6,828.17	18.75	-14.24	15.44	1.69	-1.60	-9.68
6,927.00	1.900	49.90	6,924.10	21.36	-11.52	12.91	0.77	-0.73	6.67
7,021.00	2.900	17.70	7,018.02	24.63	-9.61	11.21	1.75	1.06	-34.26
7,116.00	3.000	10.80	7,112.90	29.36	-8.41	10.33	0.39	0.11	-7.26
7,211.00	2.400	19.70	7,207.79	33.67	-7.28	9.48	0.77	-0.63	9.37
7,306.00	2.200	12.50	7,302.71	37.33	-6.21	8.65	0.37	-0.21	-7.58
7,400.00	1.700	0.70	7,396.66	40.48	-5.80	8.46	0.68	-0.53	-12.55
7,495.00	0.900	293.10	7,491.64	42.18	-6.47	9.24	1.68	-0.84	-71.16
7,589.00	0.900	278.70	7,585.63	42.58	-7.88	10.67	0.24	0.00	-15.32
7,684.00	1.500	259.80	7,680.61	42.48	-9.84	12.62	0.75	0.63	-19.89
7,705.00	1.400	262.60	7,701.60	42.40	-10.37	13.14	0.58	-0.48	13.33
7,779.00	1.700	257.80	7,775.57	42.05	-12.34	15.08	0.44	0.41	-6.49
7,811.00	5.600	298.10	7,807.50	42.68	-14.18	16.96	13.88	12.19	125.94
7,843.00	9.400	297.40	7,839.23	44.62	-17.88	20.78	11.88	11.88	-2.19
7,874.00	12.700	296.00	7,869.65	47.28	-23.19	26.25	10.68	10.65	-4.52
7,906.00	15.900	291.20	7,900.65	50.41	-30.44	33.69	10.66	10.00	-15.00
7,937.00	18.600	288.30	7,930.26	53.50	-39.09	42.53	9.14	8.71	-9.35
7,969.00	20.400	288.50	7,960.42	56.87	-49.23	52.87	5.63	5.63	0.63
8,000.00	23.300	289.90	7,989.19	60.67	-60.12	63.98	9.50	9.35	4.52
8,032.00	26.200	288.00	8,018.25	65.01	-72.79	76.91	9.40	9.06	-5.94
8,064.00	28.900	288.30	8,046.62	69.62	-86.86	91.25	8.45	8.44	0.94
8,095.00	32.400	288.40	8,073.28	74.60	-101.85	106.54	11.29	11.29	0.32
8,127.00	35.400	287.70	8,099.84	80.12	-118.82	123.84	9.45	9.38	-2.19
8,159.00	38.200	287.70	8,125.46	85.95	-137.08	142.44	8.75	8.75	0.00
8,190.00	41.900	288.50	8,149.18	92.15	-156.04	161.76	12.05	11.94	2.58

# Sharewell

## Survey Report

**Company:** Bill Barrett Corp.  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.27-T3S-R6W  
**Well:** 13H-27-36 Tw BTR  
**Wellbore:** Wellbore #2-Crv/Lat  
**Design:** Wellbore #2-Crv/Lat

**Local Co-ordinate Reference:** Well 13H-27-36 Tw BTR  
**TVD Reference:** WELL @ 6044.01ft  
**MD Reference:** WELL @ 6044.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,221.00	45.100	288.60	8,171.67	98.94	-176.26	182.39	10.32	10.32	0.32
8,252.00	49.100	289.00	8,192.77	106.26	-197.76	204.32	12.94	12.90	1.29
8,284.00	54.200	289.60	8,212.62	114.55	-221.43	228.49	16.01	15.94	1.88
8,316.00	59.100	289.90	8,230.20	123.59	-246.58	254.18	15.33	15.31	0.94
8,348.00	63.600	290.90	8,245.54	133.38	-272.89	281.08	14.33	14.06	3.13
8,379.00	67.500	290.00	8,258.37	143.23	-299.33	308.11	12.86	12.58	-2.90
8,411.00	70.500	289.20	8,269.84	153.25	-327.47	336.85	9.66	9.38	-2.50
8,442.00	74.300	288.70	8,279.21	162.84	-355.41	365.36	12.35	12.26	-1.61
8,474.00	79.600	288.90	8,286.43	172.88	-384.91	395.46	16.57	16.56	0.63
8,501.00	82.500	288.70	8,290.63	181.48	-410.16	421.21	10.77	10.74	-0.74
8,537.00	82.600	288.30	8,295.30	192.81	-444.01	455.74	1.14	0.28	-1.11
8,569.00	84.200	287.40	8,298.98	202.55	-474.27	486.57	5.73	5.00	-2.81
8,598.00	87.100	287.70	8,301.18	211.27	-501.83	514.65	10.05	10.00	1.03
8,683.00	89.300	285.10	8,303.85	235.25	-583.32	597.54	4.01	2.59	-3.06
8,715.00	89.600	284.10	8,304.15	243.32	-614.29	628.97	3.26	0.94	-3.13
8,747.00	90.600	282.80	8,304.10	250.76	-645.41	660.52	5.13	3.13	-4.06
8,778.00	92.200	281.90	8,303.34	257.39	-675.68	691.16	5.92	5.16	-2.90
8,810.00	93.200	280.30	8,301.83	263.54	-707.05	722.86	5.89	3.13	-5.00
8,841.00	93.100	280.50	8,300.13	269.13	-737.49	753.61	0.72	-0.32	0.65
8,873.00	93.100	280.50	8,298.40	274.95	-768.91	785.34	0.00	0.00	0.00
8,904.00	93.500	280.40	8,296.61	280.56	-799.34	816.08	1.33	1.29	-0.32
8,936.00	93.800	279.90	8,294.58	286.19	-830.78	847.82	1.82	0.94	-1.56
8,999.00	93.800	280.40	8,290.40	297.27	-892.66	910.29	0.79	0.00	0.79
9,094.00	93.200	279.50	8,284.60	313.65	-986.05	1,004.56	1.14	-0.63	-0.95
9,189.00	93.400	278.30	8,279.13	328.33	-1,079.75	1,099.02	1.28	0.21	-1.26
9,283.00	92.700	277.50	8,274.13	341.23	-1,172.73	1,192.64	1.13	-0.74	-0.85
9,378.00	94.500	275.70	8,268.17	352.13	-1,266.90	1,287.33	2.68	1.89	-1.89
9,473.00	93.900	275.40	8,261.21	361.29	-1,361.20	1,382.03	0.71	-0.63	-0.32
9,567.00	93.600	274.70	8,255.06	369.55	-1,454.64	1,475.81	0.81	-0.32	-0.74
9,662.00	93.500	274.70	8,249.18	377.31	-1,549.14	1,570.61	0.11	-0.11	0.00
9,757.00	92.200	274.50	8,244.46	384.92	-1,643.71	1,665.48	1.38	-1.37	-0.21
9,851.00	90.100	274.30	8,242.57	392.13	-1,737.41	1,759.45	2.24	-2.23	-0.21
9,946.00	91.300	272.60	8,241.41	397.85	-1,832.22	1,854.44	2.19	1.26	-1.79
10,041.00	91.900	272.40	8,238.76	401.99	-1,927.10	1,949.38	0.67	0.63	-0.21
10,136.00	91.900	271.60	8,235.61	405.31	-2,021.99	2,044.28	0.84	0.00	-0.84
10,230.00	92.100	272.40	8,232.33	408.58	-2,115.87	2,138.18	0.88	0.21	0.85
10,325.00	92.500	272.60	8,228.51	412.72	-2,210.70	2,233.08	0.47	0.42	0.21
10,420.00	92.000	272.50	8,224.78	416.95	-2,305.54	2,327.98	0.54	-0.53	-0.11
10,515.00	91.600	272.40	8,221.80	421.01	-2,400.40	2,422.91	0.43	-0.42	-0.11
10,609.00	91.100	271.20	8,219.58	423.96	-2,494.33	2,516.82	1.38	-0.53	-1.28
10,704.00	90.900	271.30	8,217.93	426.03	-2,589.29	2,611.72	0.24	-0.21	0.11
10,799.00	90.500	271.30	8,216.77	428.19	-2,684.26	2,706.62	0.42	-0.42	0.00
10,893.00	90.600	271.70	8,215.86	430.65	-2,778.22	2,800.54	0.44	0.11	0.43

# Sharewell Survey Report

**Company:** Bill Barrett Corp.  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.27-T3S-R6W  
**Well:** 13H-27-36 Tw BTR  
**Wellbore:** Wellbore #2-Crv/Lat  
**Design:** Wellbore #2-Crv/Lat

**Local Co-ordinate Reference:** Well 13H-27-36 Tw BTR  
**TVD Reference:** WELL @ 6044.01ft  
**MD Reference:** WELL @ 6044.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,988.00	90.600	271.80	8,214.87	433.55	-2,873.17	2,895.48	0.11	0.00	0.11
11,083.00	90.200	271.40	8,214.21	436.20	-2,968.13	2,990.41	0.60	-0.42	-0.42
11,178.00	89.500	271.40	8,214.45	438.52	-3,063.10	3,085.33	0.74	-0.74	0.00
11,273.00	89.500	271.20	8,215.28	440.68	-3,158.08	3,180.23	0.21	0.00	-0.21
11,367.00	88.300	271.00	8,217.09	442.48	-3,252.04	3,274.11	1.29	-1.28	-0.21
11,462.00	87.100	270.70	8,220.90	443.89	-3,346.95	3,368.91	1.30	-1.26	-0.32
11,557.00	85.900	270.90	8,226.70	445.21	-3,441.76	3,463.60	1.28	-1.26	0.21
11,651.00	85.900	271.30	8,233.42	447.01	-3,535.50	3,557.26	0.42	0.00	0.43
11,746.00	86.100	270.70	8,240.05	448.67	-3,630.26	3,651.92	0.66	0.21	-0.63
11,841.00	85.700	270.10	8,246.84	449.33	-3,725.01	3,746.51	0.76	-0.42	-0.63
11,935.00	85.400	270.30	8,254.13	449.65	-3,818.73	3,840.04	0.38	-0.32	0.21
12,032.00	85.700	268.70	8,261.66	448.81	-3,915.43	3,936.48	1.67	0.31	-1.65
12,092.00	85.700	268.70	8,266.16	447.45	-3,975.24	3,996.08	0.00	0.00	0.00
12,152.00	85.700	268.70	8,270.66	446.10	-4,035.06	4,055.67	0.00	0.00	0.00

## Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
113.00	113.00	-0.30	-0.25	First Sharewell Survey
11,143.00	8,214.23	437.67	-3,028.11	As of May 21
12,152.00	8,270.66	446.10	-4,035.06	Projected TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

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14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD



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LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

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LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

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LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

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1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA





October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

**New Operator Contact information:**

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
Telephone: (801) 683-4245  
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley  
Permit Analyst

**RECEIVED**  
OCT 21 2016  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

RIG II, LLC

N4055

3. ADDRESS OF OPERATOR:

1582 West 2600 South

CITY Wood Cross

STATE UT

ZIP 84087

PHONE NUMBER:

(801) 683-4245

4. LOCATION OF WELL

FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

11/1/2016

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC

1582 West 2600 South

Woods Cross, Utah 84087-0298

801-683-4245

(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165

Duane Zavala

NAME (PLEASE PRINT)

Duane Zavala

SIGNATURE

Senior Vice President -

EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain

NAME (PLEASE PRINT)

Jesse McSwain

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain

TITLE Manager

SIGNATURE

Jesse McSwain

DATE

10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

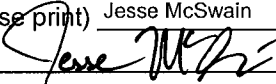
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager  
Signature  Date 10/20/16  
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

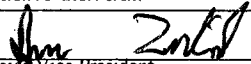
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

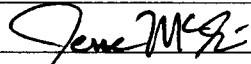
Well Name and Number <b>6-32-36 BTR SWD</b>	API Number <b>4301350921</b>
Location of Well  Footage : <b>1628 FNL 1553 FWL</b> County : <b>DUCHENSE</b>  QQ, Section, Township, Range: <b>SENW    32    3S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

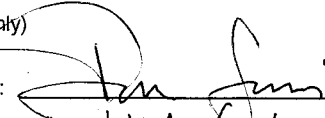
**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

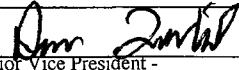
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

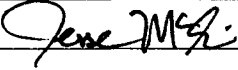
Well Name and Number <b>16-6D-46 BTR SWD</b>	API Number <b>4301350781</b>
Location of Well  Footage : <b>0200 FSL 0099 FEL</b> County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE    6    4S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>ALTAMONT</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016


**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: VIC

Approval Date: 11/3/16

Comments:

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

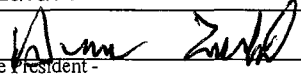
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

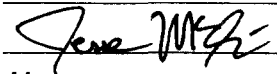
Well Name and Number <b>SWD 9-36 BTR</b>	API Number <b>4301350646</b>
Location of Well  Footage : <b>0539 FSL 0704 FEL</b>  County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE 9 3S 6W</b>  State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&amp;S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

*This well was approved by USEPA.  
EPA approval will be required.*